

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER FD 13-10-3-2				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8164				
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Lever, LTD						14. SURFACE OWNER PHONE (if box 12 = 'fee') 419-666-8442				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 29900 St. Andrews Road, Perrysburg, OH 43551						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		660 FSL 660 FWL		SWSW	10	3.0 S	2.0 E	U		
Top of Uppermost Producing Zone		660 FSL 660 FWL		SWSW	10	3.0 S	2.0 E	U		
At Total Depth		660 FSL 660 FWL		SWSW	10	3.0 S	2.0 E	U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1520			26. PROPOSED DEPTH MD: 9375 TVD: 9375				
27. ELEVATION - GROUND LEVEL 4855			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2336				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.8	No Used	0	0.0	0.0
SURF	12.25	9.625	0 - 1500	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	190	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
PROD	8.75	5.5	0 - 9375	17.0	P-110 LT&C	9.5	Unknown	1000	2.31	11.0
							Unknown	630	1.42	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Venessa Langmacher				TITLE Senior Permit Analyst			PHONE 303 312-8172			
SIGNATURE				DATE 05/24/2012			EMAIL vlangmacher@billbarrettcorp.com			
API NUMBER ASSIGNED 43047527650000				APPROVAL  Permit Manager						

**BILL BARRETT CORPORATION**  
**DRILLING PLAN**

**FD 13-10-3-2**

SW SW, 660' FSL and 660' FWL, Section 10, T3S-R2E, USB&M  
 Uintah County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth - TVD</u></b>
Lower Green River*	6,571'	6,571'
Douglas Creek	6,666'	6,666'
Black Shale	7,556'	7,556'
Castle Peak	7,601'	7,601'
Wasatch*	8,551'	8,551'
TD	9,375'	9,375'

\*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 2,346'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 1,500'	No pressure control required (may pre-set 9-5/8" will smaller rig)
1,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

\*The casing program is based on recent wells drilled by Axia in the immediate area.

**Note: 9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:**

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust

Bill Barrett Corporation  
Drilling Program  
FD 13-10-3-2  
Uintah County, Utah

- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

#### 5. **Cementing Program**

16" Conductor Casing	Grout
9 5/8" Surface Casing (may pre-set with spudder rig)	Lead: 190 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess. TOC @ 1,000'
5 1/2" Production Casing	Lead: 1000 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 1,000' Tail: 630 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 7,056'

#### 6. **Mud Program**

<b><u>Interval</u></b>	<b><u>Weight</u></b>	<b><u>Viscosity</u></b>	<b><u>Fluid Loss</u></b> <b><u>(API filtrate)</u></b>	<b><u>Remarks</u></b>
0' – 1,500'	Air/Mist/Mud 8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1,500' - 5,500'	9.2 – 9.4	26 – 36	NC	Freshwater Mud Fluid System
5,500' – TD	9.4 – 9.5	42-58	25 cc or less	DAP Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

#### 7. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

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Drilling Program  
FD 13-10-3-2  
Uintah County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4680 psi\* and maximum anticipated surface pressure equals approximately 2617 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
  - b) Inside BOP or stab-in valve (available on rig floor)
  - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Green River located in Sec. 33, T8S-R20E.

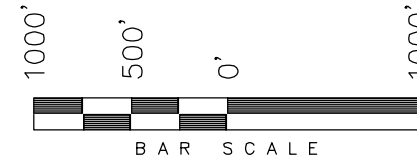
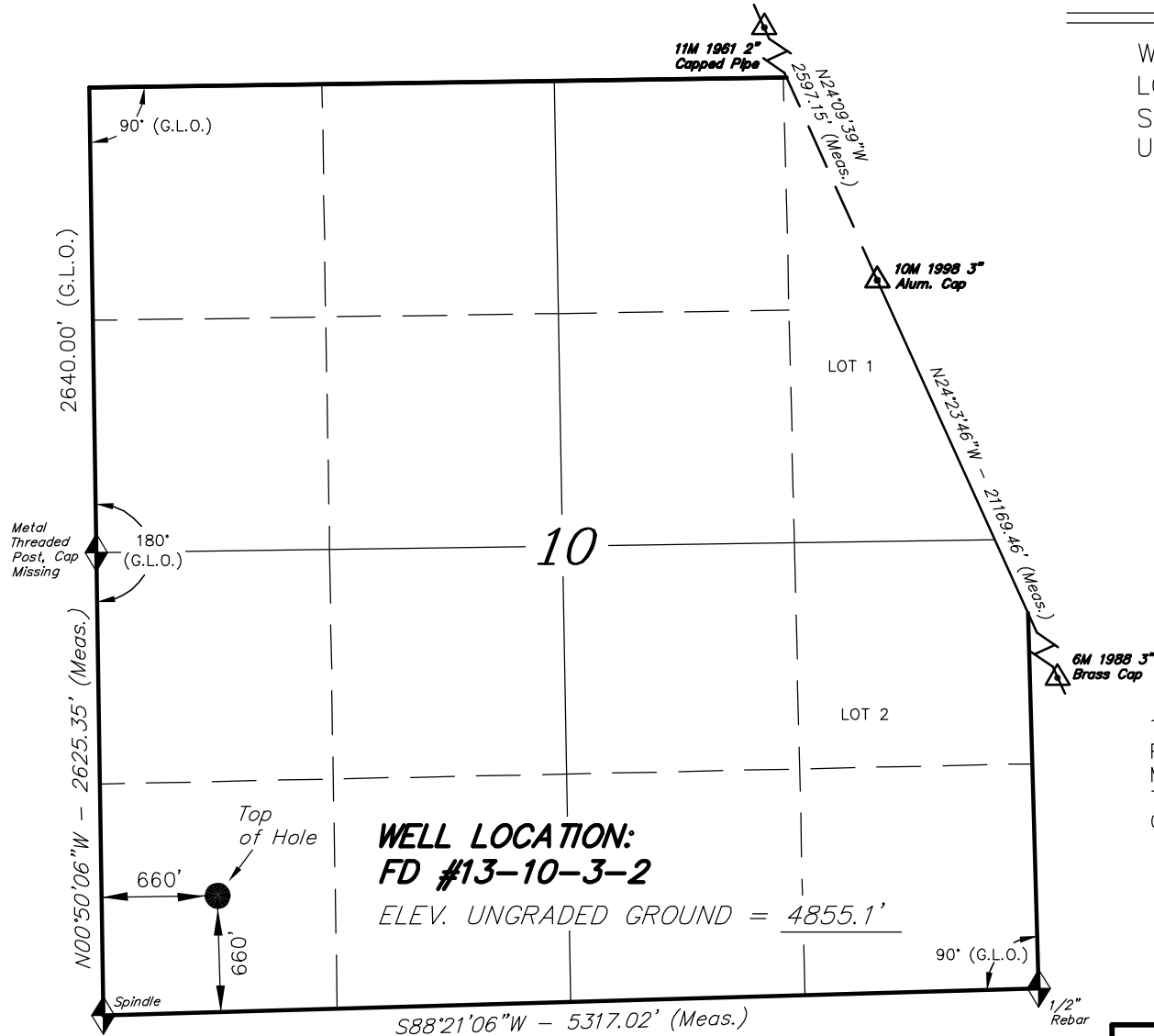
**11. Drilling Schedule**

Location Construction:	January 2013
Spud:	January 2013
Duration:	15 days drilling time
	45 days completion time



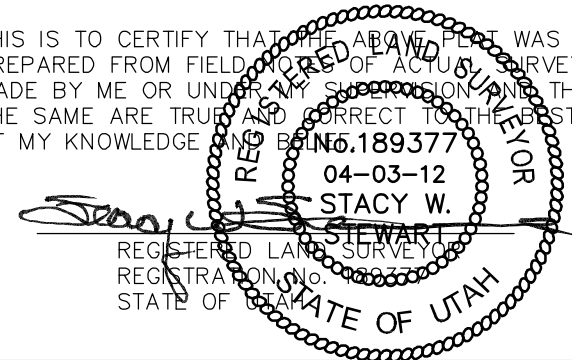
**T3S, R2E, U.S.B.&M.****BILL BARRETT CORPORATION**

WELL LOCATION, FD #13-10-3-2,  
LOCATED AS SHOWN IN THE SW 1/4  
SW 1/4 OF SECTION 10, T3S, R2E,  
U.S.B.&M. UINTAH COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.



NAD 83 (SURFACE LOCATION)	
LATITUDE =	40°13'52.21" (40.231168)
LONGITUDE =	109°45'44.26" (109.762294)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°13'52.34" (40.231207)
LONGITUDE =	109°45'41.74" (109.761596)

BASIS OF ELEV; Elevations are base on  
LOCATION: an N.G.S. OPUS Correction.  
LAT. 40°16'17.95" LONG. 109°35'59.22"  
(Tristate Aluminum Cap) Elev. 4843.21'

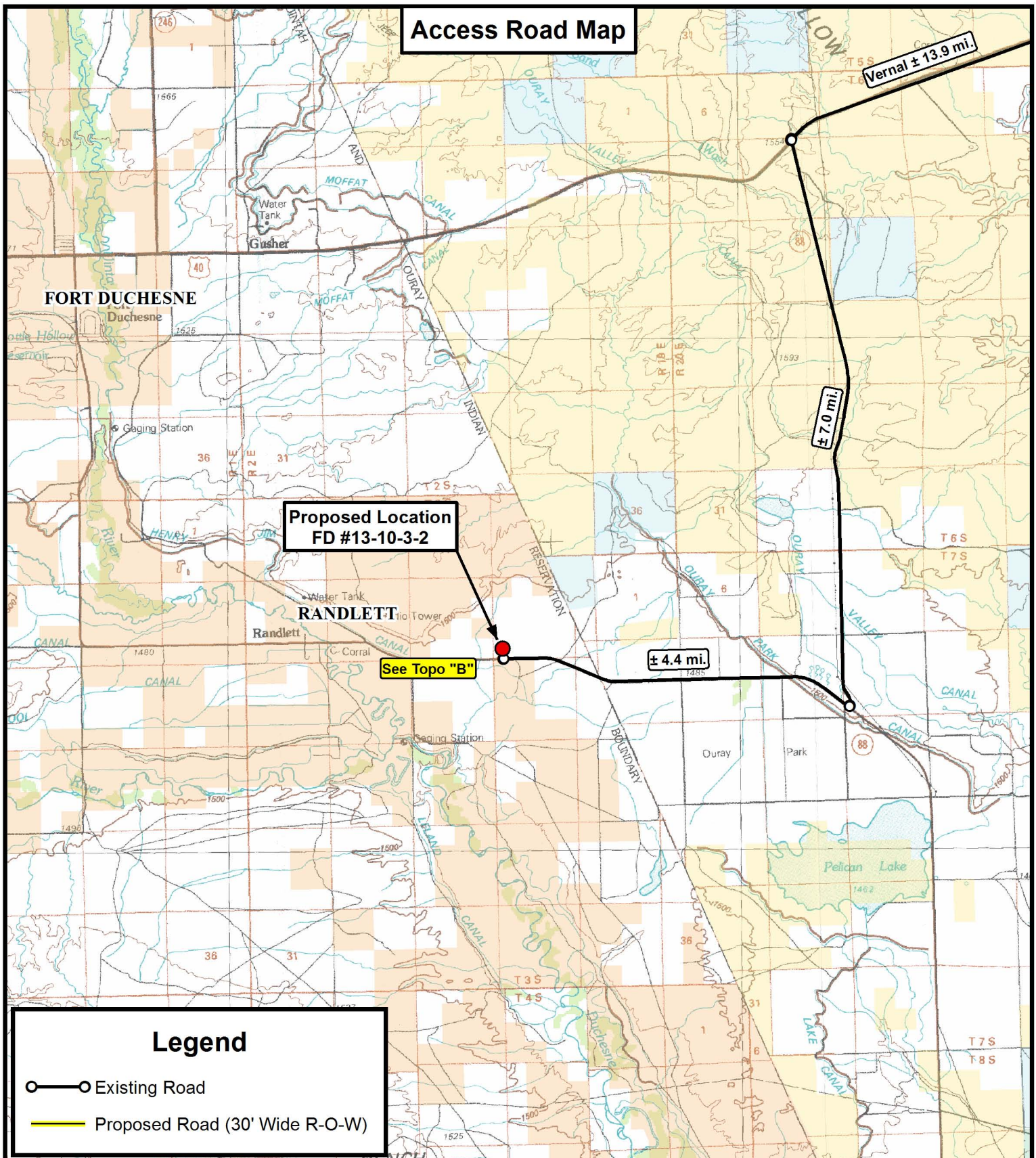
**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 02-26-12	SURVEYED BY: C.D.S.
DATE DRAWN: 04-03-12	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'

RECEIVED: May 24, 2012

## Access Road Map



## Legend

- Existing Road
- Proposed Road (30' Wide R-O-W)

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

**BILL BARRETT CORPORATION**

FD #13-10-3-2  
SEC. 10, T3S, R2E, U.S.B.&M.  
Uintah County, UT.

DRAWN BY:	J.A.S.	REVISED:
DATE:	04-04-2012	
SCALE:	1:100,000	

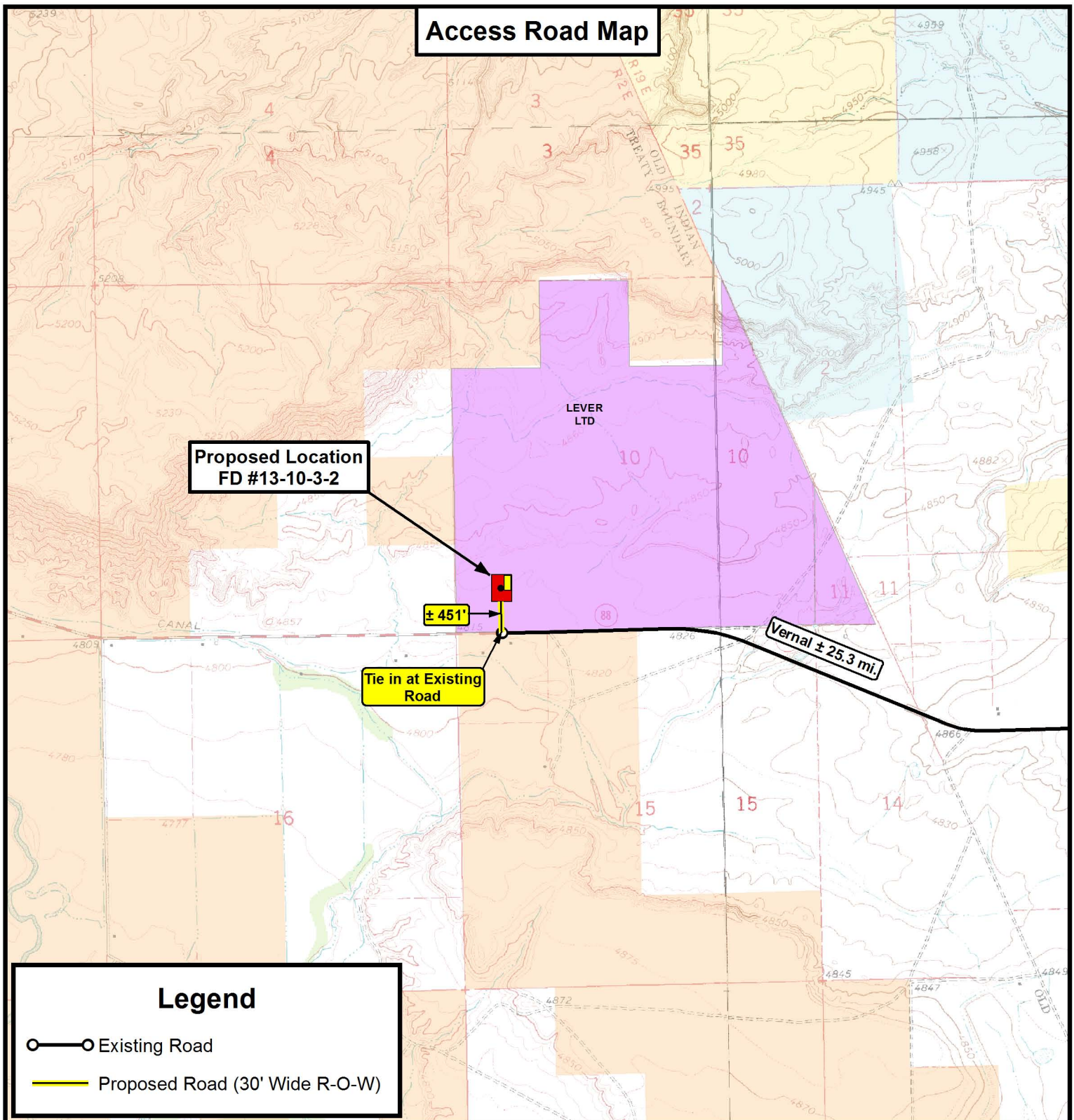
**TOPOGRAPHIC MAP**

SHEET

**A**



## Access Road Map



## Legend

Existing Road

Proposed Road (30' Wide R-O-W)

TOTAL PROPOSED ROAD DISTANCE:  $\pm 451'$ 

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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Uintah County, UT.

DRAWN BY:	J.A.S.	REVISED:
DATE:	04-04-2012	
SCALE:	1" = 2,000'	

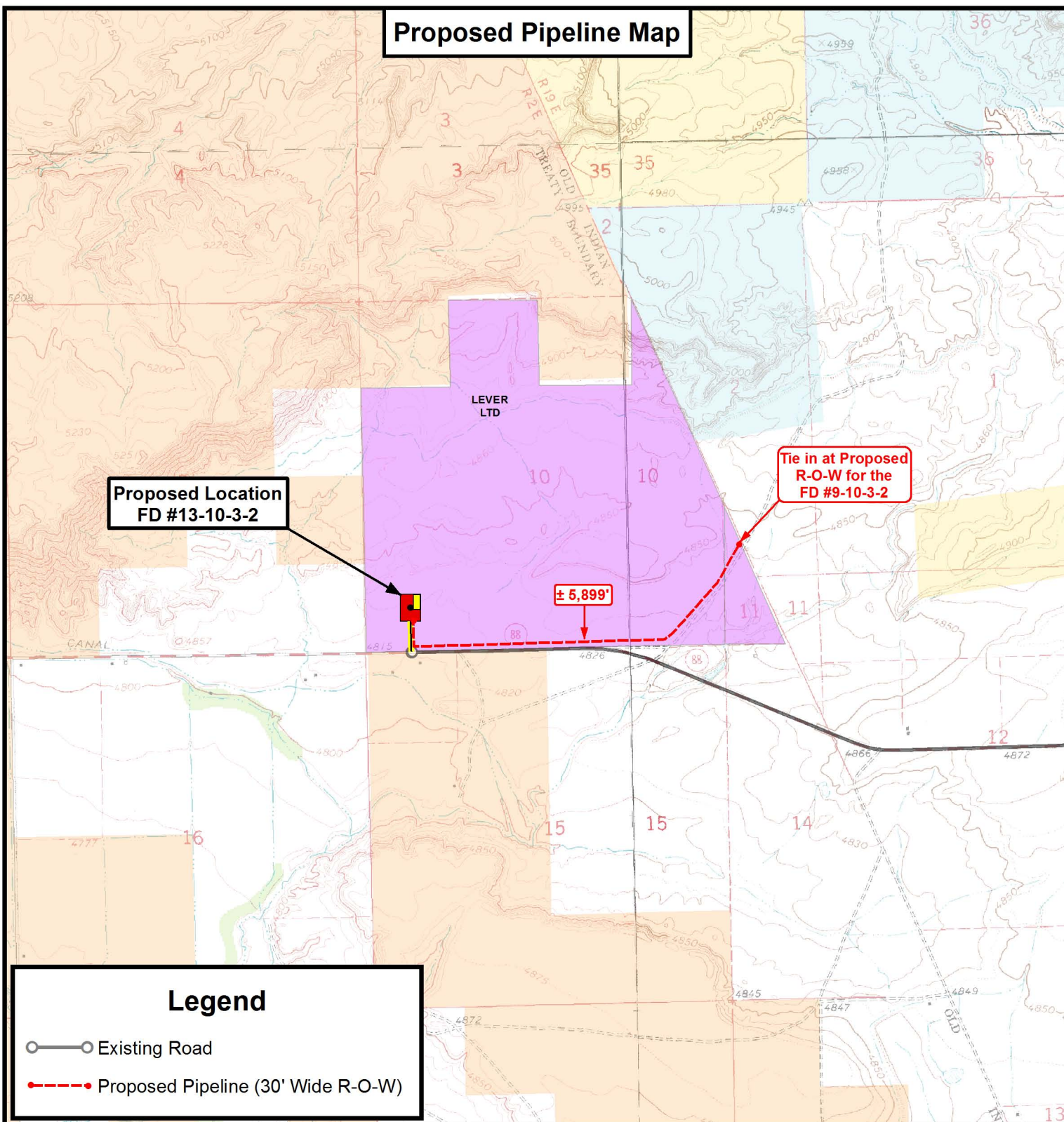
**TOPOGRAPHIC MAP**

SHEET

**B**



# Proposed Pipeline Map



## Legend

- Existing Road
- Proposed Pipeline (30' Wide R-O-W)

**TOTAL PIPELINE DISTANCE:  $\pm 5,899'$**

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## BILL BARRETT CORPORATION

**FD #13-10-3-2  
SEC. 10, T3S, R2E, U.S.B.&M.  
Uintah County, UT.**

DRAWN BY:	J.A.S.	REVISED:
DATE:	04-04-2012	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET  
**C**



# Proposed Power Line Map

Proposed Location  
FD #13-10-3-2

± 451'  
Tie in at Existing  
Road

## Legend

- Existing Road
- Proposed Powerline (150' Wide R-O-W)

**TOTAL POWER LINE DISTANCE: ± 451'**

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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## BILL BARRETT CORPORATION

**FD #13-10-3-2  
SEC. 10, T3S, R2E, U.S.B.&M.  
Uintah County, UT.**

DRAWN BY:	J.A.S.	REVISED:
DATE:	04-04-2012	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET

**D**



**SURFACE USE AGREEMENT**  
(FD 13-10-3-2)

**THIS AGREEMENT** Dated April 20, 2012 by and between

**Lever, Ltd.**

whose address is 29900 St. Andrews Road, Perrysburg, OH 43551  
(419-666-8442 phone)

, hereinafter referred to as "Surface Owner", and  
**Bill Barrett Corporation**, whose address is 1099 18<sup>th</sup> Street, #2300, Denver, CO 80202  
hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owner represents that they are the owners in fee and in possession of the surface estate for the following described lands in **Uintah** County, **Utah**, hereinafter referred to as "Lands", to wit:

A Tract of land lying in the **SWSW of Section 10, Township 3 South, Range 2 East, USM** as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owner is generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owner the following sum as ~~settlement and~~ satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

INITIAL  
JP  
9/2

2. Operator agrees to consult with the surface owner and/or tenant as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owner and/or tenant as to the location and direction of same.

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owner may elect in writing, prior to cessation of operations of Operator, to have any



road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

6. In the event Surface Owner considers that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owner shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owner. The service of said notice shall be precedent to the bringing of any action by Surface Owner for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owner actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owner from any and all environmental problems it causes on the Lands.

8. In the event Surface Owner owns less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.

9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.

10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.

11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

ADDITIONAL PROVISIONS:

12. Upon Surface Owner's execution of this Agreement, Operator shall pay Surface Owner a non-refundable One Thousand Dollar (\$1,000.00) advance toward the Fourteen Thousand Dollar (\$14,000.00) payment for damages for the wellsite and access provided in paragraph 1.a. above. Operator shall pay Surface Owner the balance owed for damages for the wellsite and access of Thirteen Thousand Dollars (\$13,000.00) prior to commencing any construction activities on the Lands.

**SURFACE OWNER:**

**Lever, Ltd.**

Jane Ann Spirn

By: Jane Ann Spirn, Co-Manager

John K. Lever, Jr.

By: John K. Lever, Jr., Co-Manager

SS/Tax ID# 290-52-1545 (SS Jane Spirn)

34-1912671 (ID)

STATE of OHIO

COUNTY of WOOD

ACKNOWLEDGEMENT

BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 8 day of May, 2012, personally appeared Jane Ann Spirn, Co-Manager of Lever, Ltd.

\_\_\_\_\_, to me known to be the identical person(s), described in and who executed the within and foregoing instrument of writing and acknowledged to me that they duly executed same as their free and voluntary act and deed for the uses and purposes therein set forth and in the capacity stated therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires: April 5, 2016



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016

Katherine C. Myerholtz  
Notary Public:

SS/Tax ID# 277-40-9634 34-1912671 (TAX ID)

STATE of OHIO

ACKNOWLEDGEMENT

COUNTY of WOOD

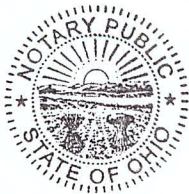
BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 5 day of May, 2012, personally appeared John K. Lever, Jr., Co-Manager of Lever, Ltd.

\_\_\_\_\_, to me known to be the Identical person(s), described in and who executed the within and foregoing instrument of writing and acknowledged to me that they duly executed same as their free and voluntary act and deed for the uses and purposes therein set forth and in the capacity stated therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires: Apr 5, 2016

Katherine C. Myerholtz  
Notary Public:



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016



Entry 2012004090

Book 1276 Page 744 \$12.00

11-MAY-12 03:11

RANDY SIMMONS

RECORDER, UINTAH COUNTY, UTAH

ENCORE LAND SERVICES INC

PO BOX 1729 VERNAL, UT 84078

Rec By: DEBRA ROOKS , DEPUTY

## MEMORANDUM OF SURFACE USE AGREEMENT

State of Utah )(

County of Uintah )(

Entry 2012004090

Book 1276 Page 744

Lever, Ltd. of 29900 St. Andrews

Road, Perrysburg, OH 43551, hereafter referred to as "Surface Owners" have granted, a Surface Use Agreement, to **Bill Barrett Corporation of 1099 18<sup>th</sup> Street, #2300, Denver, CO 80202**, hereafter referred to as "Bill Barrett", dated **April 20, 2012**, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from **FD 13-10-3-2** on the following lands (the "Lands") in Uintah County Utah: **A tract of land lying in the SW/4SW/4 of Section 10, Township 3 South, Range 2 East, USM, Uintah County.**

The Surface Use Agreement is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Use Agreement.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 8 day of MAY, 2012.

SURFACE OWNERS:

Lever, Ltd.

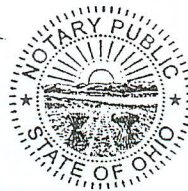
Jane Ann Spirn  
Jane Ann Spirn, Co-Manager

John K. Lever, Jr.  
John K. Lever, Jr., Co-Manager

STATE OF OHIO }  
COUNTY OF WOOD } :SS ACKNOWLEDGEMENT

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 8 day of MAY, 2012, personally appeared **Jane Ann Spirn, Co-Manager of Lever, Ltd.**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Katherine C. Myerholtz  
Notary Public



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016

STATE OF OHIO }  
COUNTY OF WOOD } :SS ACKNOWLEDGEMENT

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 8 day of MAY, 2012, personally appeared **John K. Lever, Jr., Co-Manager of Lever, Ltd.**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Katherine C. Myerholtz  
Notary Public



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016



ACKNOWLEDGEMENT

STATE OF OHIO )  
COUNTY OF WOOD ) SS

On the 8<sup>th</sup> day of May, 2012, before me the undersigned authority, appeared **Jane Ann Spirn**, to me personally known, who, being sworn, did say that they are the Co-Manager of Lever, Ltd., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016

[Signature]  
Notary Public for the State of OHIO

Residing at Huntington Bank

ACKNOWLEDGEMENT

STATE OF OHIO )  
COUNTY OF WOOD ) SS

On the 8<sup>th</sup> day of May, 2012, before me the undersigned authority, appeared **John K. Lever, Jr.**, to me personally known, who, being sworn, did say that they are the Co-Manager of Lever, Ltd., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016

[Signature]  
Notary Public for the State of

Residing at Huntington Bank

ACKNOWLEDGEMENT

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS

On the \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me the undersigned authority, appeared **Huntington T. Walker**, to me personally known, who, being sworn, did say that they are the Senior Vice-President Land of Aurora Gathering, LLC, and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.

\_\_\_\_\_  
Notary Public for the State of

Residing at \_\_\_\_\_





ACKNOWLEDGEMENT

STATE OF OHIO )  
COUNTY OF WOOD ) SS

On the 8 day of May, 2012, before me the undersigned authority, appeared **Jane Ann Spirn**, to me personally known, who, being sworn, did say that they are the Co-Manager of Lever, Ltd., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016

Katherine C. Myerholtz  
Notary Public for the State of

Residing at Huntingdon Bank

ACKNOWLEDGEMENT

STATE OF OHIO )  
COUNTY OF WOOD ) SS

On the 8 day of May, 2012, before me the undersigned authority, appeared **John K. Lever, Jr.**, to me personally known, who, being sworn, did say that they are the Co-Manager of Lever, Ltd., and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016

Katherine C. Myerholtz  
Notary Public for the State of

Residing at Huntingdon Bank

ACKNOWLEDGEMENT

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS

On the \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me the undersigned authority, appeared **Huntington T. Walker**, to me personally known, who, being sworn, did say that they are the Senior Vice-President Land of Aurora Gathering, LLC, and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.

\_\_\_\_\_  
Notary Public for the State of

Residing at \_\_\_\_\_



ACKNOWLEDGEMENT

State of OH }  
County of WOOD } :SS

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 8<sup>th</sup> day of MAY, 2012, ~~2011~~, personally appeared Jane Ann Spirn and John K. Lever, in the capacities as stated above, to me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My Commission Expires: April 5, 2016

Katherine C. Myerholtz  
Notary Public



KATHERINE C. MYERHOLTZ  
Notary Public, State of Ohio  
My Comm. Expires April 5, 2016

Residing At: Huntington Bank

ACKNOWLEDGEMENT

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS

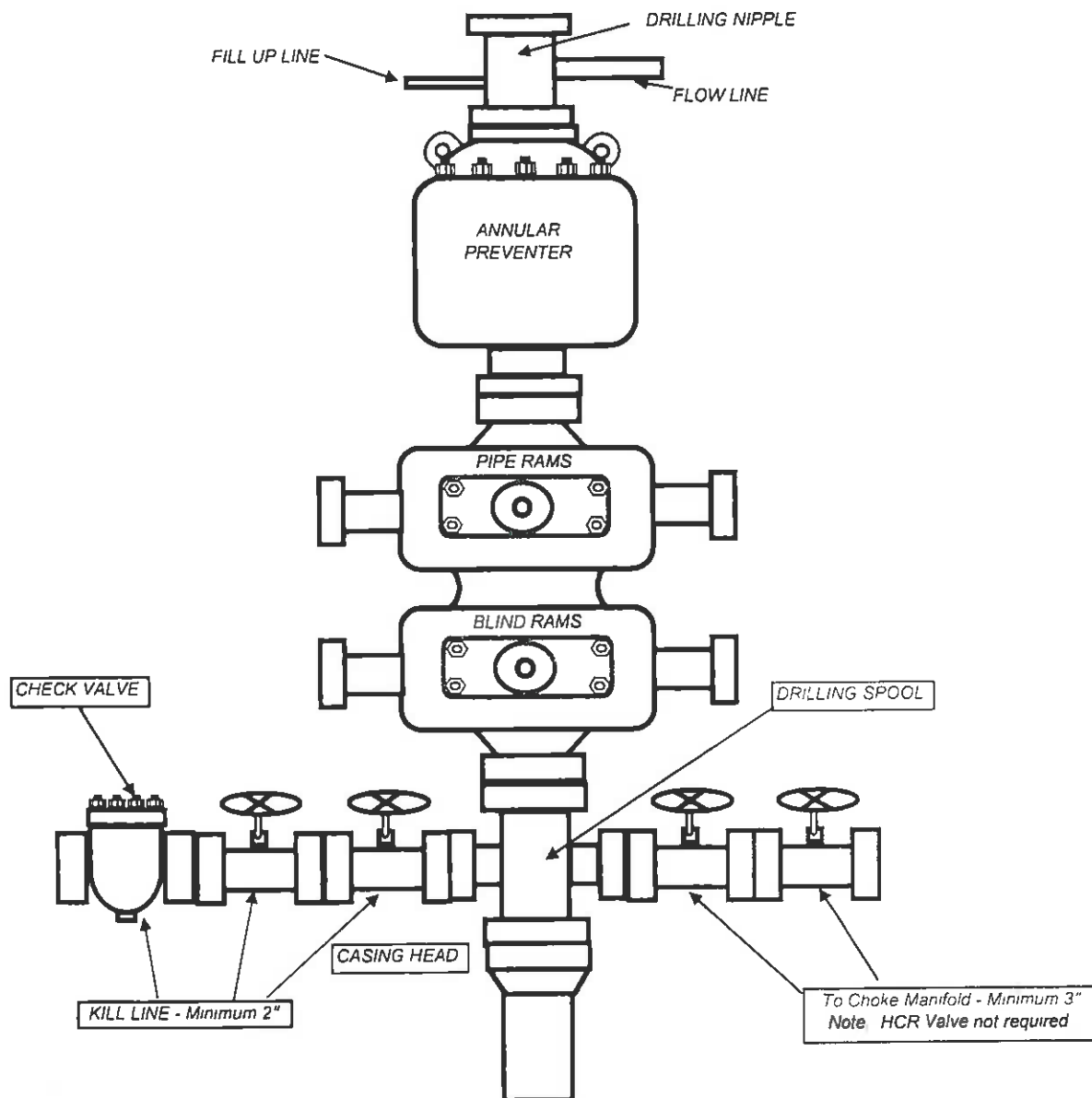
On the \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me the undersigned authority, appeared Huntington T. Walker, to me personally known, who, being sworn, did say that he is the Senior Vice President Land for Aurora Gathering, LLC, and that the foregoing instrument was signed in behalf of said Corporation and Appeared acknowledged to me that said instrument to be the free act and deed of the Corporation.

\_\_\_\_\_  
Notary Public for the State of

Residing at \_\_\_\_\_

## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER







May 24, 2012

Utah Division of Oil, Gas and Mining  
Attention: Dustin Doucet  
1594 West North Temple, Suite 1120  
Salt Lake City, Utah

RE: Commingling Application  
Fort Duchesne Area  
FD 13-10-3-2  
SWSW Section 10, T3S-R2E  
Duchesne County, UT

Dear Mr. Doucet,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well located in the Fort Duchesne Prospect. In compliance with Utah OGM regulation R649-3-22, BBC has enclosed copies of the completed application.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

*Venesia Langmackel*  
*for*

Thomas J. Abell  
Landman

Enclosures



AFFIDAVIT OF NOTICE

My name is Thomas J. Abell. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted an application to commingle production from the Wasatch and Green River formations in the following well within the Fort Duchesne Prospect:

FD 13-10-3-2 SWSW Section 10 T3S-R2E

In compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the application, by certified mail, to the owners as listed below of all contiguous oil and gas Leases or drilling units overlying the pool.

Lessees

EnCana Oil & Gas (USA) Inc.  
Forest Oil Corporation

Date: May 24, 2012

Affiant:

  
\_\_\_\_\_  
Thomas J. Abell  
Landman



May 24, 2012

EnCana Oil & Gas (USA), Inc.  
Attn: Judy Tatham  
370 17<sup>th</sup> Street, Suite 1700  
Denver, CO 80202

RE: Commingling Application  
FD 13-10-3-2  
Duchesne County, UT

Dear Ms. Tatham,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

*Venessa Langmackel*  
*for*  
Thomas J. Abell  
Landman

Enclosures



May 24, 2012

Forest Oil Corporation  
Attn: Ken Mcphee  
707 17th St # 3600  
Denver, CO 80202

RE: Commingling Application  
FD 13-10-3-2  
Duchesne County, UT

Dear Mr. Mcphee,

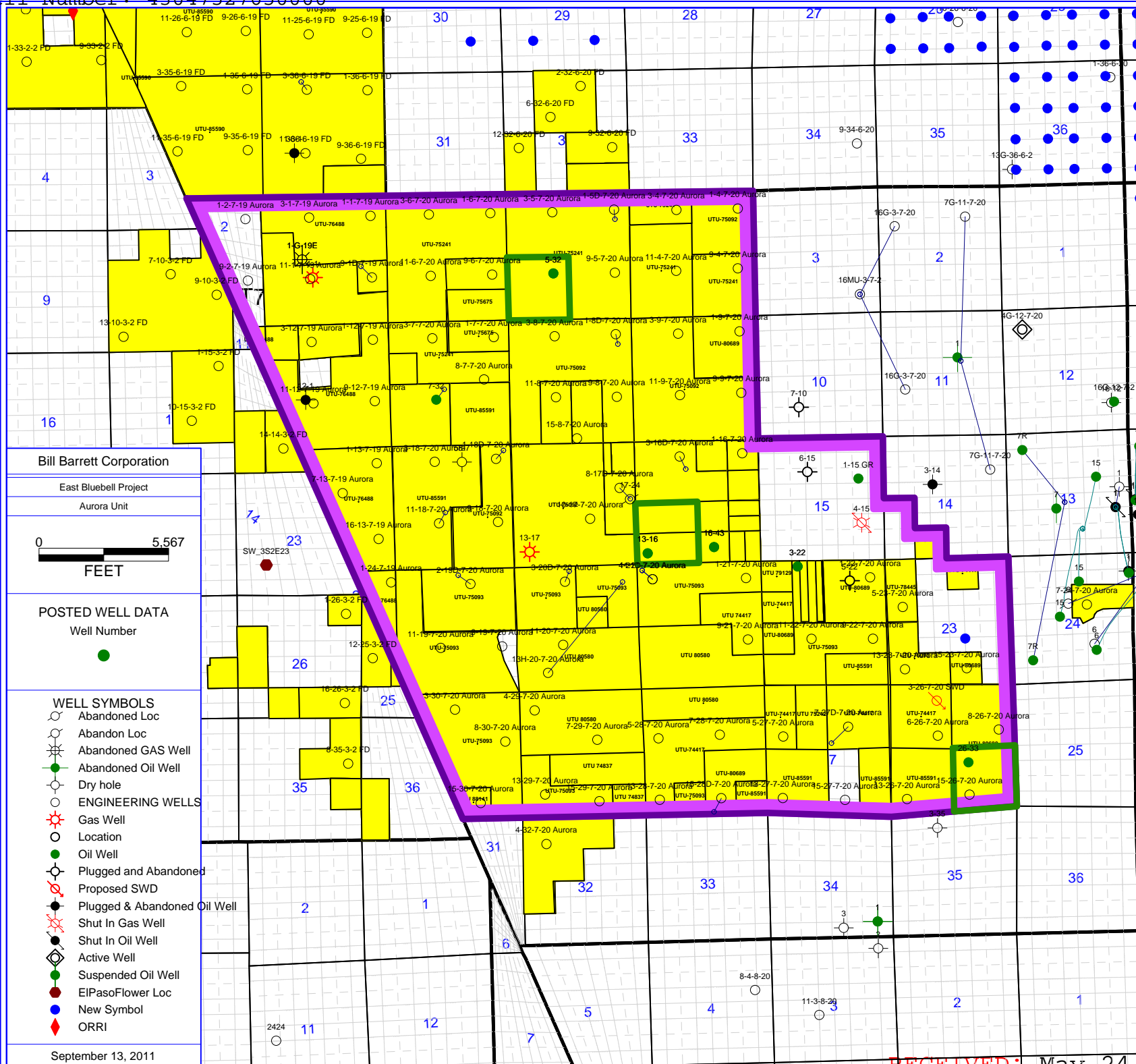
Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

*Venevia Langmacker*  
*for*  
Thomas J. Abell  
Landman

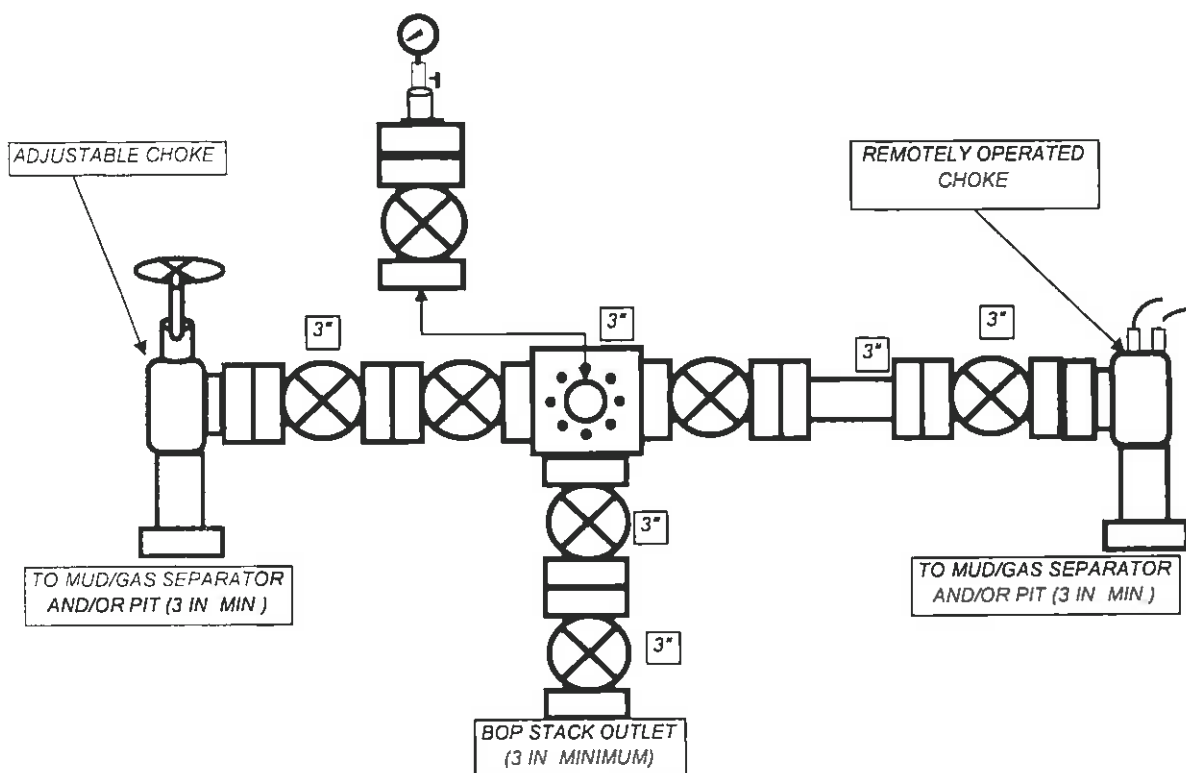
Enclosures



RECEIVED: May 24

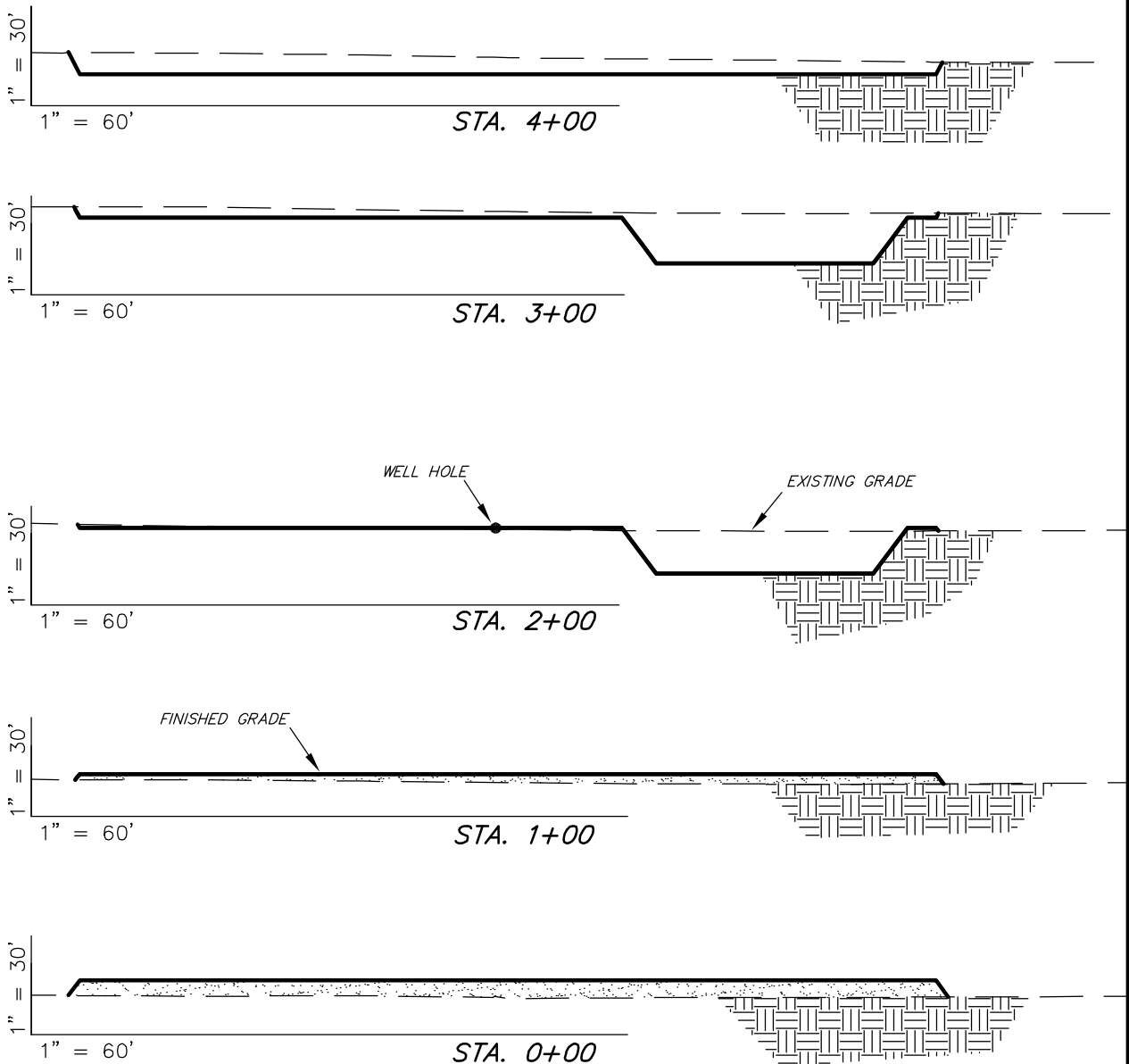
## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. CHOKE MANIFOLD







**BILL BARRETT CORPORATION****FIGURE #2****TYPICAL CROSS SECTIONS**FD #13-10-3-2  
Section 10, T3S, R2E, U.S.B.&M.

## NOTES:

1.) UNLESS OTHERWISE NOTED CUT SLOPES ARE AT 1:1 &amp; FILL SLOPES ARE AT 1.5:1.

APPROXIMATE PROPOSED SURFACE USE AREA		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±4.687 ACRES
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±398'	±0.274 ACRES
30' WIDE PIPELINE R-O-W DISTURBANCE	±5,915'	±4.074 ACRES
TOTAL SURFACE USE AREA	±6,313'	±9.035 ACRES

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,840	4,560	Topsoil is not included in Pad Cut	-2,720
PIT	5,440	0		5,440
TOTALS	7,280	4,560	2,300	2,720

SURVEYED BY: C.D.S.	DATE SURVEYED: 02-26-12
DRAWN BY: L.C.S.	DATE DRAWN: 04-03-12
SCALE: 1" = 100'	REVISED:

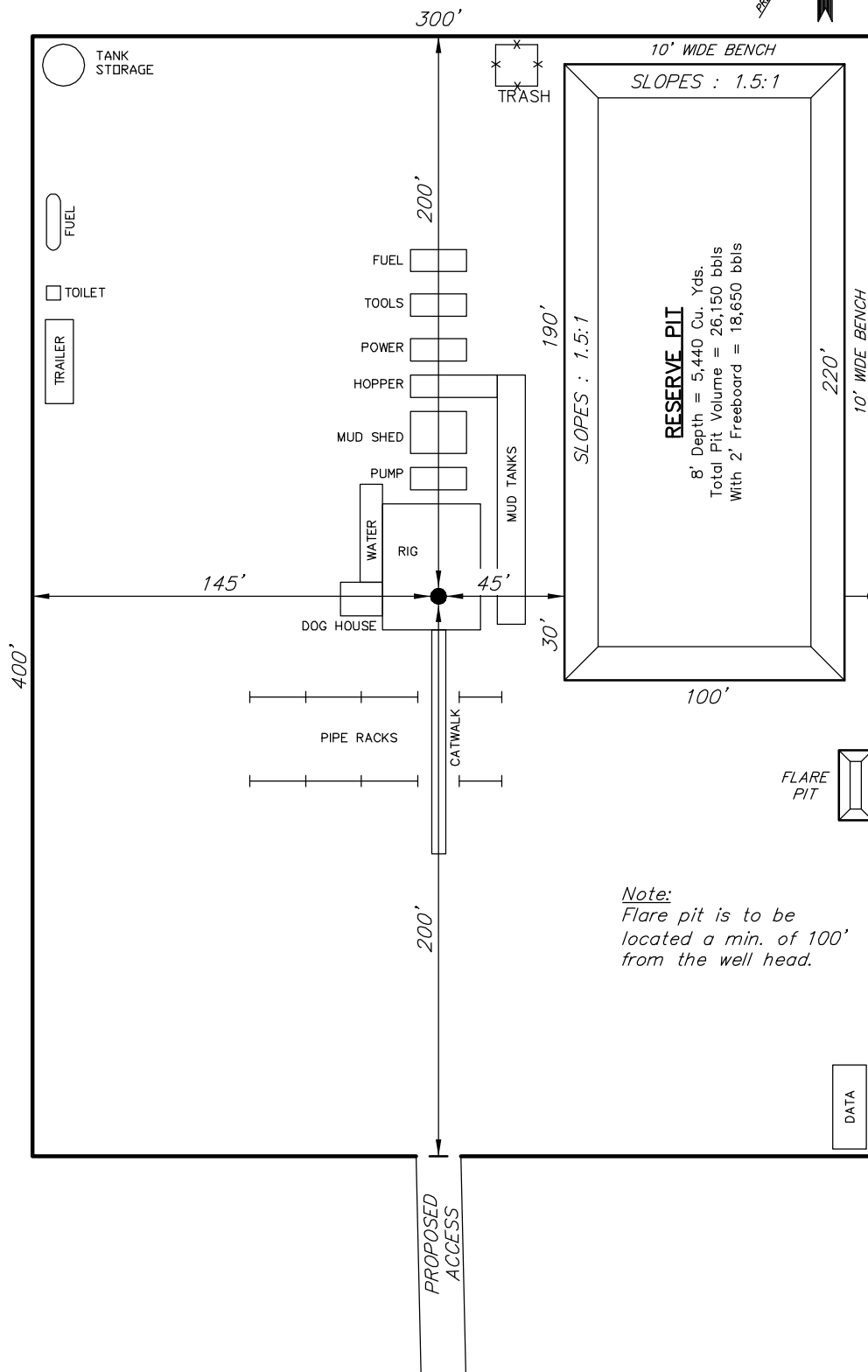
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

SHEET  
**3**

RECEIVED: May 24, 2012



**BILL BARRETT CORPORATION****TYPICAL RIG LAYOUT**FD #13-10-3-2  
Section 10, T3S, R2E, U.S.B.&M.**FIGURE #3**

SURVEYED BY: C.D.S.	DATE SURVEYED: 02-26-12
DRAWN BY: L.C.S.	DATE DRAWN: 04-03-12
SCALE: 1" = 100'	REVISED:

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

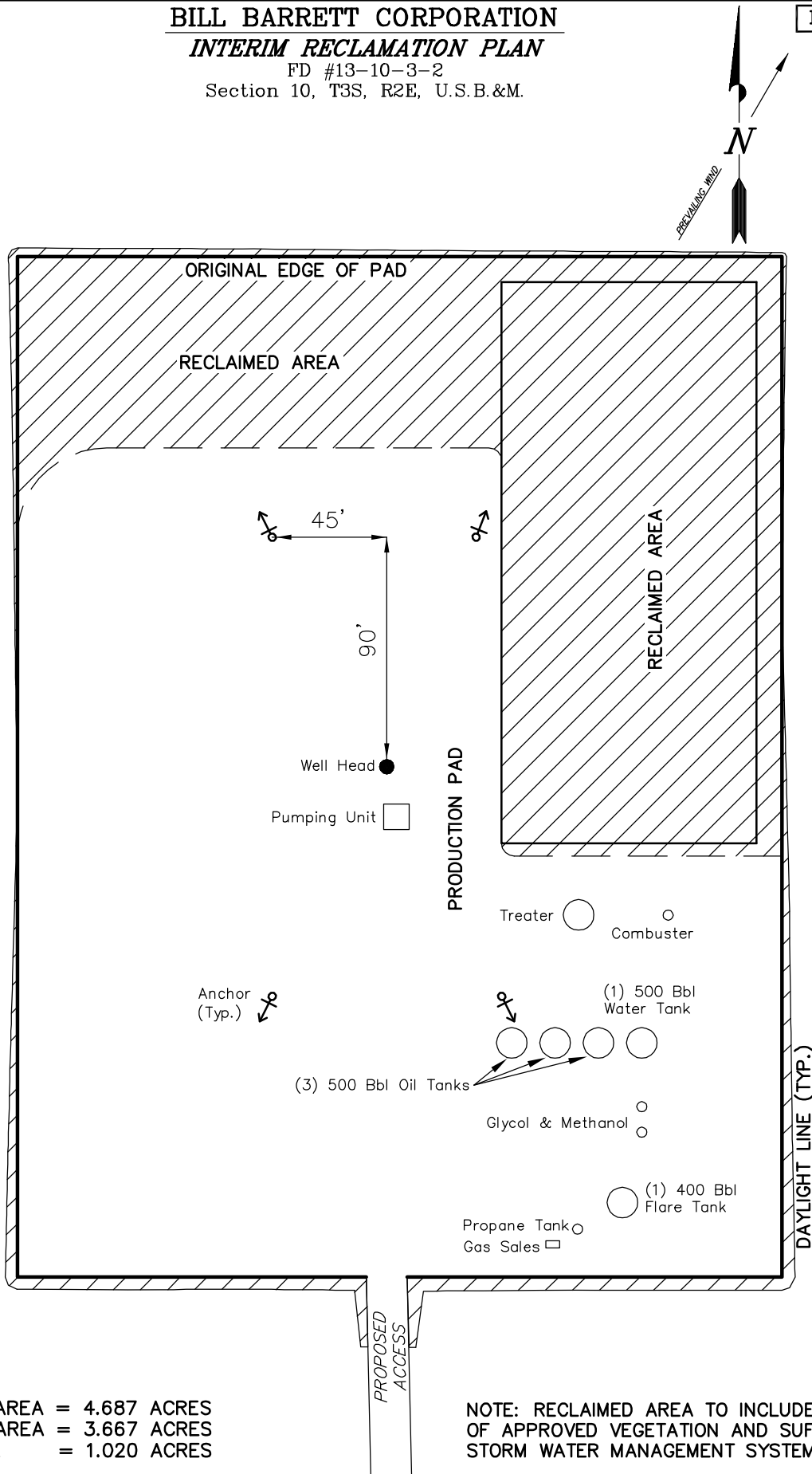
**SHEET**  
**4**

RECEIVED: May 24, 2012

**BILL BARRETT CORPORATION****INTERIM RECLAMATION PLAN**

FD #13-10-3-2

Section 10, T3S, R2E, U.S.B.&amp;M.

**FIGURE #4****DISTURBED AREA:**

TOTAL DISTURBED AREA = 4.687 ACRES

TOTAL RECLAIMED AREA = 3.667 ACRES

UNRECLAIMED AREA = 1.020 ACRES

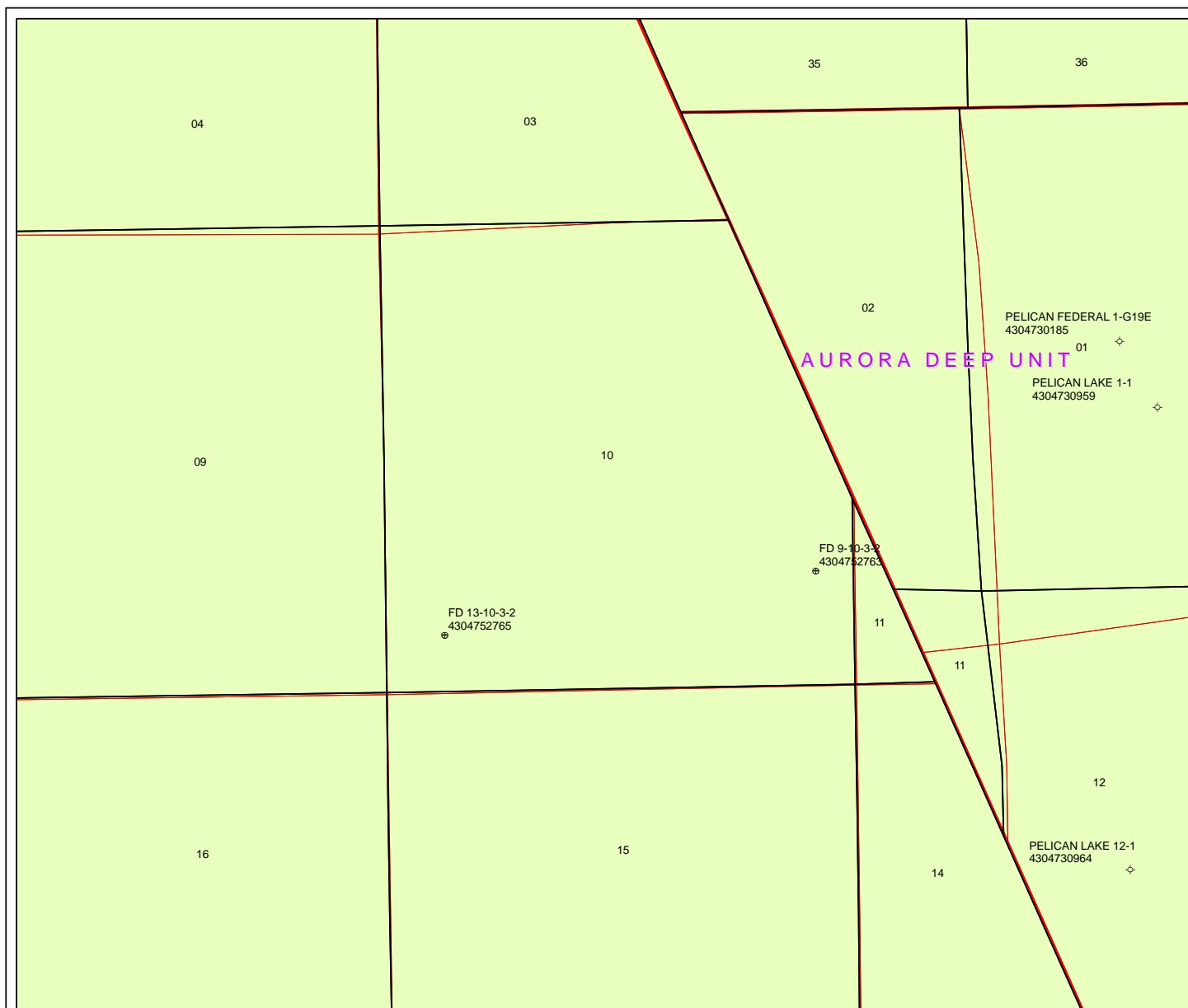
NOTE: RECLAIMED AREA TO INCLUDE SEEDING OF APPROVED VEGETATION AND SUFFICIENT STORM WATER MANAGEMENT SYSTEM.

SURVEYED BY: C.D.S.	DATE SURVEYED: 02-26-12
DRAWN BY: L.C.S.	DATE DRAWN: 04-03-12
SCALE: 1" = 100'	REVISED:

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

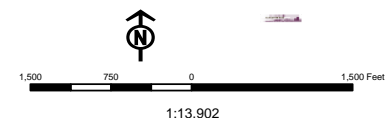
**SHEET**  
**5**

RECEIVED: May 24, 2012



**API Number: 4304752765**  
**Well Name: FD 13-10-3-2**  
**Township T0.3 . Range R0.2 . Section 10**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**  
 Map Prepared:  
 Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
PI OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERM	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
<b>Fields</b>	TA - Temp. Abandoned
Unknown	TW - Test Well
ABANDONED	WDW - Water Disposal
ACTIVE	WW - Water Injection Well
COMBINED	WSW - Water Supply Well
INACTIVE	
STORAGE	
TERMINATED	



BOPE REVIEW BILL BARRETT CORP FD 13-10-3-2 43047527650000

Well Name	BILL BARRETT CORP FD 13-10-3-2 43047527650000			
String	Cond	Surf	Prod	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	80	1500	9375	
Previous Shoe Setting Depth (TVD)	0	80	1500	
Max Mud Weight (ppg)	8.8	8.8	9.5	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	4680		9.6	

Calculations	Cond String	16.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	37		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	27	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	19	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	19	NO	
Required Casing/BOPE Test Pressure=		80	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

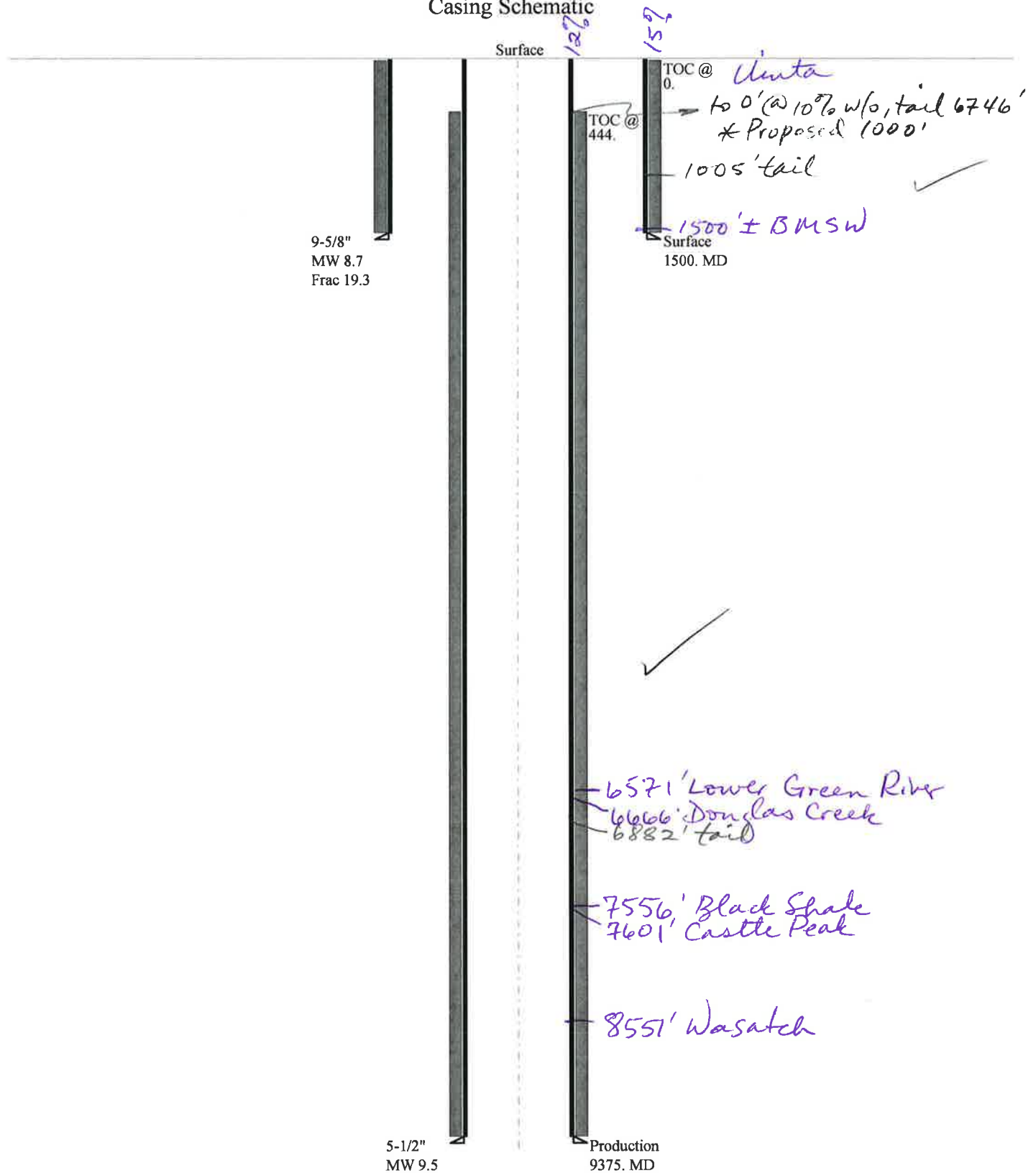
Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	686		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	506	NO	air or fresh water drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	356	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	374	NO	OK
Required Casing/BOPE Test Pressure=		1500	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient	

Calculations	Prod String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	4631		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3506	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2569	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2899	NO	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		1500	psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

43047527650000 FD 13-10-3-2

Casing Schematic



Well name:

**43047527650000 FD 13-10-3-2**Operator: **BILL BARRETT CORP**String type: **Surface**

Project ID:

**43-047-52765**Location: **UINTAH COUNTY****Design parameters:****Collapse**

Mud weight: 8.700 ppg

Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 95 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 1,170 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 1,500 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.70 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 1,307 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 9,375 ft

Next mud weight: 9.500 ppg

Next setting BHP: 4,627 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 1,500 ft

Injection pressure: 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1500	9.625	36.00	J-55	ST&C	1500	1500	8.796	13037
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	678	2020	2.980	1500	3520	2.35	54	394	7.30 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & MiningPhone: 801 538-5357  
FAX: 801-359-3940Date: August 15, 2012  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:

**43047527650000 FD 13-10-3-2**Operator: **BILL BARRETT CORP**

String type: Production

Project ID:

43-047-52765

Location: UINTAH COUNTY

**Design parameters:****Collapse**

Mud weight: 9.500 ppg

Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 205 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,000 ft

Cement top: 444 ft

**Burst**

Max anticipated surface pressure:

2,564 psi

Internal gradient:

0.220 psi/ft

Calculated BHP

4,627 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on air weight.

Neutral point: 8,024 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9375	5.5	17.00	P-110	LT&C	9375	9375	4.767	61751
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4627	7480	1.617	4627	10640	2.30	159.4	445	2.79 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & MiningPhone: 801 538-5357  
FAX: 801-359-3940Date: August 15, 2012  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 9375 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** BILL BARRETT CORP  
**Well Name** FD 13-10-3-2  
**API Number** 43047527650000      **APD No** 6068      **Field/Unit** WILDCAT  
**Location: 1/4,1/4** SWSW      **Sec** 10      **Tw** 3.0S      **Rng** 2.0E      660 FSL 660 FWL  
**GPS Coord (UTM)**      **Surface Owner** Lever, LTD

### **Participants**

Don Hamilton (permit contractor), Kary Eldredge (BBC), Dayton Slauch (surveyor), Davie Stokes (EIS)

### **Regional/Local Setting & Topography**

This location sits just to the north of 4500 South road in Randlett Utah approximately 4 miles north west of Pelican Lake. The area around this location is very flat, the soils are predominantly clay and there are no drainage issues for this location.

### **Surface Use Plan**

**Current Surface Use**  
Wildlfe Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.09	<b>Width</b> 300 <b>Length</b> 400	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Hallogeten, greasewood  
No animal life observed

#### **Soil Type and Characteristics**

Clay soil

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N



Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Low permeability	0
<b>Fluid Type</b>	TDS>5000 and	10
<b>Drill Cuttings</b>	Salt or Detrimental	10
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	25    Sensitivity Level

**Characteristics / Requirements**

The reserve pit as proposed is 220' x 100' x 8' deep and is placed in a cut stable location. Bill Barrett Corporation typically uses a 16 mil liner and this will adequate for the site.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y**

**Other Observations / Comments**

Richard Powell  
Evaluator

6/19/2012  
Date / Time

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
6068	43047527650000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	Lever, LTD	
Well Name	FD 13-10-3-2		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	SWSW 10 3S 2E U 660 FSL 660 FWL GPS Coord (UTM) 605298E 4454154N				

#### Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 1,500 feet of surface casing at this location. The entire surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 1,500'. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of Section 10. The wells are 200 and 300 feet in depth with listed uses as oil exploration, irrigation and stock watering. Both wells are more than 1 mile from the proposed location. The wells probably produce water from the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect usable ground water in the area.

Brad Hill  
APD Evaluator

7/10/2012  
Date / Time

#### Surface Statement of Basis

This location is on fee surface owned by Lever, LTD. I spoke to land owner representative Jane Spirn about this proposed well location. Ms. Spirn stated that she had no concerns with this site and that she would not attend the presite. This appears to be a good location for placement of this well.

Richard Powell  
Onsite Evaluator

6/19/2012  
Date / Time

#### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/24/2012

API NO. ASSIGNED: 43047527650000

WELL NAME: FD 13-10-3-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SWSW 10 030S 020E

Permit Tech Review: ☒

SURFACE: 0660 FSL 0660 FWL

Engineering Review: ☒

BOTTOM: 0660 FSL 0660 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.23121

LONGITUDE: -109.76225

UTM SURF EASTINGS: 605298.00

NORTHINGS: 4454154.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - LPM4138148☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 49-2336☒ RDCC Review: 2012-09-06 00:00:00.0☒ Fee Surface Agreement☒ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-2

Effective Date:

Siting:

☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet  
5 - Statement of Basis - bhill  
12 - Cement Volume (3) - hmacdonald  
21 - RDCC - dmason  
23 - Spacing - dmason  
25 - Surface Casing - hmacdonald

RECEIVED: September 13, 2012



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** FD 13-10-3-2

**API Well Number:** 43047527650000

**Lease Number:** Fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 9/13/2012

### Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### Commingle:

Administrative approval for commingling the production from the Wasatch formation and the Green River formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled,



completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1000' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 13-10-3-2			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047527650000			
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/1/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  BBC is submitting this sundry to request permission to change the production hole size from 8-3/4" to 7-7/8". Surface hole and casing size, production casing size, and the TD will remain the same as original permitted. Please see the attached revised drilling plan and cement calculator. Please contact Brady Riley at 303-312-8115 with any questions in regard to the proposed change.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> March 05, 2013  <b>By:</b>					
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst			
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/26/2013				

**BILL BARRETT CORPORATION**  
**DRILLING PLAN REVISED**

***FD 13-10-3-2***

SW SW, 660' FSL and 660' FWL, Section 10, T3S-R2E, USB&M  
 Uintah County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Lower Green River*	6,571'	6,571'
Douglas Creek	6,666'	6,666'
Black Shale	7,556'	7,556'
Castle Peak	7,601'	7,601'
Wasatch*	8,551'	8,551'
TD	9,375'	9,375'

\*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 2,346'

**3. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,500'	No pressure control required (may pre-set 9-5/8" will smaller rig)
1,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,500'	9 5/8"	36#	J or K 55	ST&C	New
<span style="color: red;">7 7/8"</span>	Surface	TD	5 1/2"	17#	P-110	LT&C	New

**\*The casing program is based on recent wells drilled by Axia in the immediate area.**

**Note: 9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:**

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored



Bill Barrett Corporation  
 Drilling Program **REVISED**  
 FD 13-10-3-2  
 Uintah County, Utah

- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits

5. **Cementing Program**

16" Conductor Casing	Grout
9 5/8" Surface Casing (may pre-set with spudder rig)	Lead: 190 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess. TOC @ 1,000'
5 1/2" Production Casing	Lead: 690 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 1,000' Tail: 430 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 7,056'

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 1,500'	Air/Mist/Mud 8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1,500' - 5,500'	9.2 – 9.4	26 – 36	NC	Freshwater Mud Fluid System
5,500' – TD	9.4 – 9.5	42-58	25 cc or less	DAP Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. **Anticipated Abnormal Pressures or Temperatures**

Bill Barrett Corporation  
Drilling Program **REVISED**  
FD 13-10-3-2  
Uintah County, Utah

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4680 psi\* and maximum anticipated surface pressure equals approximately 2617 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A - (0.22 x TD)

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
  - b) Inside BOP or stab-in valve (available on rig floor)
  - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

**10. Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Green River located in Sec. 33, T8S-R20E.

**11. Drilling Schedule**

Location Construction:	March 2013
Spud:	March 2013
Duration:	15 days drilling time
	45 days completion time



# Bill Barrett Corporation

## AURORA CEMENT VOLUMES

**Well Name:** FD 13-10-3-2

### Surface Hole Data:

Total Depth:	1,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	548.1	ft <sup>3</sup>
Lead Fill:	1,000'	
Tail Volume:	274.0	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

Lead Yield:	3.16	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Lead:	0'	

### Calculated # of Sacks:

# SK's Lead:	190
--------------	-----

Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	1,000'	

# SK's Tail:	210
--------------	-----

### Production Hole Data:

Total Depth:	9,375'
Top of Cement:	1,000'
Top of Tail:	7,056'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1573.8	ft <sup>3</sup>
Lead Fill:	6,056'	
Tail Volume:	602.7	ft <sup>3</sup>
Tail Fill:	2,319'	

### Cement Data:

Lead Yield:	2.31	ft <sup>3</sup> /sk
Tail Yield:	1.42	ft <sup>3</sup> /sk
% Excess:	50%	

### Calculated # of Sacks:

# SK's Lead:	690
# SK's Tail:	430

<b>FD 13-10-3-2 Proposed Cementing Program</b>
--

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (1000' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 1,000'
	Volume: 97.61 bbl
	<b>Proposed Sacks: 190 sks</b>
<b>Tail Cement - (TD - 1000')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 1,000'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 210 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (7056' - 1000')</b>	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 1,000'
	Calculated Fill: 6,056'
	Volume: 280.29 bbl
	<b>Proposed Sacks: 690 sks</b>
<b>Tail Cement - (9375' - 7056')</b>	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 7,056'
	Calculated Fill: 2,319'
	Volume: 107.34 bbl
	<b>Proposed Sacks: 430 sks</b>



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 13-10-3-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047527650000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 3/26/2013	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drilling Contractor: Triple A Drilling LLC; Rig #: TA 4037; Rig Type: Soilmec SR/30; Spud Date: 3/26/13; Spud Time: 2:50 PM; Conductor Size: 16"; Hole Size: 26"; Commence Drilling approximate start date: 4/15/2013

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 26, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 3/26/2013

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Misc

Notes

Please take this as notice that Triple A Drilling plans to spud this well, the FD 13-10-3-2, on Friday, 3/22/13, at 8 am. A sundry will be submitted with actual spud date and information.

Thanks,

Brady Riley

**BILL BARRETT CORPORATION**

1099 18th Street | Suite 2300

Denver, CO 80202

D 303.312.8115

C 720.402.7541

F 303.291.0420

[briley@billbarrettcorp.com](mailto:briley@billbarrettcorp.com)

[www.billbarrettcorp.com](http://www.billbarrettcorp.com)



**Bill Barrett Corporation**

43 047 52765  
3S 2E 10

Brady Riley

[briley@billbarrettcorp.com](mailto:briley@billbarrettcorp.com)

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Notes

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Capstar328 Rig <capstar328@billbarrett.com> 7:31 PM (10 hours ago)

HI, WANT TO INFORM EVERYONE OF OUR INTENT TO RUN OUR 5 1/2 PRODUCTION  
CSG & CEMENT ON

CAPSTAR 328:

3S 2E 10

FD13-10-3-2 - API # 43-047-52765 - ON SATURDAY 4/27/13 AT APPROX. 9:00PM

ANY QUESTION CALL THANKS,

JARED

281-846-7727

BILL BARRETT CORP.

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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 13-10-3-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047527650000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/1/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

spud in March 2013

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 17, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 4/5/2013



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 13-10-3-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047527650000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

Attached is the April 2013 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 10, 2013

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/3/2013	

**13-10-3-2 FD 4/14/2013 20:00 - 4/15/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
20:00	10.00	06:00	1	RIGUP & TEARDOWN	RIG DOWN

**13-10-3-2 FD 4/15/2013 06:00 - 4/16/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	1	RIGUP & TEARDOWN	MOVE RIG
10:00	2.00	12:00	1	RIGUP & TEARDOWN	RIG UP BACK YARD
12:00	3.00	15:00	1	RIGUP & TEARDOWN	NIPPLE UP ROTATING HEAD ON CONDUCTOR & FLOW LINE
15:00	4.50	19:30	1	RIGUP & TEARDOWN	SET UP PIPE RACKS, STRAP BHA
19:30	1.50	21:00	20	DIRECTIONAL WORK	MAKE UP BIT AND NEW MM, ORIENTATE DIR. TOOLS
21:00	9.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/83' - T/975'

**13-10-3-2 FD 4/16/2013 06:00 - 4/17/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	2	DRILL ACTUAL	DRILL ACTUAL F/975' - T/1541'
10:30	1.50	12:00	5	COND MUD & CIRC	CIRCULATE
12:00	2.00	14:00	6	TRIPS	TOOH/LDDP
14:00	0.50	14:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS
14:30	2.50	17:00	12	RUN CASING & CEMENT	RIG UP TO RUN 9.625" CASING
17:00	5.00	22:00	12	RUN CASING & CEMENT	RUN 35 JOINTS 1531' 9.625" J55 36# ST&C W/9 CENTRALIZERS, SHOE DEPTH = 1531' AND FLOAT DEPTH = 1485'
22:00	2.00	00:00	12	RUN CASING & CEMENT	CIRCULATE, RIG UP HALLIBURTON CEMENTERS
00:00	2.00	02:00	12	RUN CASING & CEMENT	WATER FLOW WITHOUT PUMPING @ 5 BBL/MIN, PRESSURE TEST 2000PSI, PUMP 20 BBL FRESH WATER, 40 BBL SUPER FLUSH 10 PPG, 20 BBL FRESH WATER, 200 SKS LEADE @ 11.0 PPG, 3.16 Y, 19.48 W MIXED WITH RIG WATER, 240 SKS TAIL, 14.8 PPG, 1.33 Y, 6.31W MIXED WITH RIG WATER, FULL RETURNS, 1BBL BACK, 59 SKS TOP JOB CMT, 15.8 PPG, 1.15Y, 5.0W MIXED WITH 2% CC WATER.
02:00	4.00	06:00	12	RUN CASING & CEMENT	WAIT ON CEMENT

**13-10-3-2 FD 4/17/2013 06:00 - 4/18/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	21	OPEN	CUT CASING OFF AND WELD ON WELLHEAD
11:00	4.00	15:00	14	NIPPLE UP B.O.P	NIPPLE UP B.O.P.
15:00	5.00	20:00	15	TEST B.O.P	TEST PIPE/BLIND RAMS, HCR, KILL VALVES, CHECK VALVE, SAFETY VALVE, KELLY COCK, INNER AND OUTER CHOKE VALVES FOR 10 MIN. EACH @ 5000 PSI, TEST ANNULAR FOR 10 MIN. @ 1500 PSI AND TEST CASING FOR 30 MIN. @ 1500 PSI.
20:00	0.50	20:30	21	OPEN	INSTALL WEAR BUSHING
20:30	1.50	22:00	20	DIRECTIONAL WORK	MAKE UP BIT/PICK UP DIR. TOOLS
22:00	2.00	00:00	6	TRIPS	TIH TAG CEMENT
00:00	1.00	01:00	2	DRILL ACTUAL	DRILL CEMENT, FLOAT AT 1485 & SHOE AT 1531
01:00	0.50	01:30	21	OPEN	RUN EMW TEST/USED MW = 8.5, EMW = 10.5, AND A DEPTH OF 1536' - 160 PSI FOR 5 MIN.
01:30	1.00	02:30	9	CUT OFF DRILL LINE	SLIP & CUT 75'
02:30	3.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/1536' - T/1882'

**13-10-3-2 FD 4/18/2013 06:00 - 4/19/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.50	11:30	2	DRILL ACTUAL	DRILL ACTUAL F/1882' - T/2470'
11:30	0.50	12:00	7	LUBRICATE RIG	RIG SERVICE
12:00	18.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/2470' - T/4144'

**13-10-3-2 FD 4/19/2013 06:00 - 4/20/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	DRILL ACTUAL F/4144' - T/4778' 634' @ 55' HR
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	12.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/4778' - T/5367' 589' @ 49' HR., SLIDE 75' @ 25' HR. - 12.7% SLIDE

**13-10-3-2 FD 4/20/2013 06:00 - 4/21/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	DRILL ACTUAL F/5367' - T/5774' 407' @ 35.4' HR. , SLIDE 40' @ 30' HR. - 10.2% SLIDE
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	10.50	04:30	2	DRILL ACTUAL	DRILL ACTUAL F/5774' - T/6046' 272' @ 26' HR.
04:30	1.50	06:00	5	COND MUD & CIRC	PUMP SWEEP, CIRCULATE

**13-10-3-2 FD 4/21/2013 06:00 - 4/22/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	5	COND MUD & CIRC	FLOW CHECK/NO FLOW, PUMP SLUG
06:30	0.50	07:00	6	TRIPS	TOOH FOR BIT CHANGE
07:00	0.50	07:30	7	LUBRICATE RIG	RIG SERVICE
07:30	0.50	08:00	6	TRIPS	TOOH
08:00	1.50	09:30	6	TRIPS	WORK TIGHT HOLE F/4550' - T/4415'
09:30	4.00	13:30	6	TRIPS	TOOH FOR BIT CHANGE
13:30	1.50	15:00	20	DIRECTIONAL WORK	PICK UP BIT, MM, AND DIR. TOOLS
15:00	5.50	20:30	6	TRIPS	TIH/WASH & REAM 4400' - 4550', LAST 45' TO BOTTOM
20:30	9.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/6046' - T/6533' 487' @ 51'/HR. , SLIDE 15' @ 18'/HR. - 3% SLIDE

**13-10-3-2 FD 4/22/2013 06:00 - 4/23/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	DRILL ACTUAL F/6533' - T/7122' 589' @ 51'/HR., SLIDE 12' @ 14'/HR. - 2% SLIDE
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	12.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/7122' - T/7801' 679' @ 57'/HR., SLIDE 56' @ 35'/HR. - 8% SLIDE

**13-10-3-2 FD 4/23/2013 06:00 - 4/24/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	DRILL ACTUAL F/7801' - T/8117' 316' @ 33'/HR. 0 SLIDE.
15:30	1.00	16:30	5	COND MUD & CIRC	CIRCULATE
16:30	1.50	18:00	6	TRIPS	TOOH TO 7000'
18:00	0.50	18:30	7	LUBRICATE RIG	RIG SERVICE
18:30	0.50	19:00	5	COND MUD & CIRC	FLOW CHECK, NO FLOW, PUMP SLUG
19:00	5.00	00:00	6	TRIPS	TOOH FOR BIT CHANGE
00:00	2.50	02:30	20	DIRECTIONAL WORK	X/O MM & BIT, DIR. TOOLS

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
02:30	3.50	06:00	6	TRIPS	TIH

**13-10-3-2 FD 4/24/2013 06:00 - 4/25/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	CONT. T.I.H. T/ 7940'
09:00	1.00	10:00	3	REAMING	WASH & REAM F/ 7940' T/ 8117'
10:00	6.50	16:30	2	DRILL ACTUAL	DRILL F/ 8117' 8298' 181' @ 27 FT/HR - WT 15K - 50-60 RPM - 530GPM - 150-300 DIFF - SPP 2350 - 8-10K TORQUE
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	11.00	04:00	2	DRILL ACTUAL	DRILL F/ 8298' 8471' 173' @ 15 FT/HR - WT 18-22K - 40-60 RPM - 530GPM - 100-400 DIFF - SPP 2550 - 7-11K TORQUE
04:00	0.50	04:30	21	OPEN	CHANGE SWAB MP # 1
04:30	1.50	06:00	2	DRILL ACTUAL	DRILL F/ 8471' 8490' 19' @ 12 FT/HR - WT 24-28K - 40-60 RPM - 530GPM - 150-250 DIFF - SPP 26800 - 8-10K TORQUE (MUD LOGGER SAMPLES SHOWING 50+% QUARTZ IN SAMPLES STARTING @ 7900')

**13-10-3-2 FD 4/25/2013 06:00 - 4/26/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	2	DRILL ACTUAL	DRILL F/ 8490' T/ 8546' 56' @ 16 FT/HR - WT 28-30K - 40-60 RPM - 530GPM - 100-300 DIFF - SPP 2550 - 8-11K TORQUE
09:30	0.50	10:00	21	OPEN	CHANGE SWAB #2 MP
10:00	2.00	12:00	2	DRILL ACTUAL	DRILL F/ 8546' T/ 8571' 56' @ 12.5 FT/HR - WT 28-30K - 40-60 RPM - 476GPM - 100-300 DIFF - SPP 2150 - 8-11K TORQUE
12:00	0.50	12:30	21	OPEN	CHANGE SWAB #2 MP
12:30	14.50	03:00	2	DRILL ACTUAL	DRILL F/ 8571' T/ 8860' 289' @ 19 FT/HR - WT 28-30K - 40-60 RPM - 490GPM - 100-300 DIFF - SPP 2570 - 8-11K TORQUE - (100% CLEAR QUARTZ IN SAMPLES TO 8661' 50% @ 8661')

**13-10-3-2 FD 4/26/2013 06:00 - 4/27/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	2	DRILL ACTUAL	DRILL F/ 8860' T/ 8934' 74' @ 18 FT/HR - WT 28-30K - 40-60 RPM - 476GPM - 100-300 DIFF - SPP 2650 - 8-11K TORQUE
10:00	1.00	11:00	5	COND MUD & CIRC	PUMP 40BBLS HIGH VIS SWEEP & CIRCULATE OUT
11:00	7.00	18:00	6	TRIPS	FLOW CHECK - WIPER TRIP T/ 5850
18:00	2.00	20:00	5	COND MUD & CIRC	PUMP 40BBLS HIGH VIS LCM SWEEP CIRC OUT - CIRCULATE CONDITIONING MUD FOR LOGS
20:00	9.50	05:30	6	TRIPS	FLOW CHECK - PUMP SLUG - L/D DRILL PIPE F/ 8934 T/ DIR TOOLS - FILL HOLE CONTINUOUSLY WITH TRIP TANK 53BBLS
05:30	0.50	06:00	20	DIRECTIONAL WORK	L/D MWD TOOL - DRAIN M/M - BREAK BIT - L/D M/M

**13-10-3-2 FD 4/27/2013 06:00 - 4/28/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	11	WIRELINE LOGS	R/U HALLIBURTON LOGGING EQUIPMENT - RUN LOGS - CLOSED CALIPER F/ 7850' T/ 7836' DUE TO HIGH TENSION PULL - LOGGER T.D. 8933' (
12:00	1.50	13:30	21	OPEN	PULL WEAR BUSHING - RIG DOWN SWIVEL LOCK ON T.D. - M/U CASING RUNNING EQUIPMENT
13:30	9.50	23:00	12	RUN CASING & CEMENT	RUN 208JTS 5 1/2 17# P-110 LT&C PRODUCTION CSG & 3 MARKERS - SHOE SET @ 8923.66' & FLOAT COLLAR SET @ 8832.53 - 63 CENTRALIZERS RAN TOP CENT @ 1546.74 BOTTOM @ 8833.53 - MARKERS SET @ TOP OF MOHAGANY, DOUGLAS CREEK & BLACK SHALE.
23:00	1.50	00:30	5	COND MUD & CIRC	CIRCULATE

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:30	4.50	05:00	12	RUN CASING & CEMENT	TEST LINES TO 5000PSI - RESET KICKOUTS TO 3000PSI - PUMP 5BBLs WATER SPACER - 40BBLs SUPERFLUSH - 10BBLs WATER SPACER - PUMP 250BBLs (610SKS) 11PPG LEAD CEMENT W/ 2.32 YIELD W/ 10.56GAL SK MIX WATER - PUMP 121BBLs (470SKS) 13.5PPG TAIL CEMENT W/ 1.42 YIELD W/ 6.85 GAL SK MIX WATER - DROP PLUG & PUMP 205 BBLs FRESH WATER DISPLACEMENT - LAND PLUG 2176PSI HOLD 500 OVER 2676 FOR 2 MIN. FLOATS HELD - CIRCULATION THROUOUT JOB - NO CEMENT TO SURFACE
05:00	1.00	06:00	14	NIPPLE DOWN B.O.P	NIPPLE DOWN B.O.P. TO SET SLIPS
06:00		06:00			LOGGERS REQUESTED 6AM - ARRIVAL 6AM - DEPARTURE 12:30  CEMENTERS REQUESTED 23:00 - ARRIVAL 22:45 - DEPARTURE

**13-10-3-2 FD 4/28/2013 06:00 - 4/29/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	12	RUN CASING & CEMENT	SET SLIP 30K OVER STRING WT
08:00	3.00	11:00	1	RIGUP & TEARDOWN	RIG DOWN CLEAN TANKS - RIG RELEASED @ 11:00



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 13-10-3-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047527650000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the May 2013 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 11, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 6/5/2013

**13-10-3-2 FD 5/1/2013 06:00 - 5/2/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.
09:00	5.00	14:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16" x 5k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.

**13-10-3-2 FD 5/2/2013 06:00 - 5/3/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secured With NightCap. HES Logging Crew Arrive On Location, Hold Safety Meeting, Prep Logging Tool.
07:00	10.00	17:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 8,794', Drilling Report Shows FC At 8,832', 38' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 8,794', Run Repeat Section For RMT From 2,800 - 2,550', RBT From 8,794 - 8,550'. Log Up Hole. Showed Good Bond From TD To 7,280', Spotty From 7,280 To 3,430'. TOC 3,430'. Found Short Joints At 7,856 - 7,878', 7,032 - 7,053', And 5,537 - 5,559'. Ran With Pressure. Pooh, RD Equipment, MOL.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

**13-10-3-2 FD 5/21/2013 06:00 - 5/22/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	FRAC LINE SET. HANDRAILS INSTALLED. FILLING FRAC LINE. SET FB TANKS. SET FB EQUIP AND PLUMB IN.

**13-10-3-2 FD 5/27/2013 06:00 - 5/28/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Heat Frac Line. HES Set Manifold And Mover. Prep For Frac.

**13-10-3-2 FD 5/28/2013 06:00 - 5/29/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Wireline Crew Arrive On Location. Hold Safety Meeting. Rig Up Lubricator, Arm Gun.
09:00	1.50	10:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 05-02-2013. Found And Correlated To Short Joint At 7,856 - 7,878'. Drop Down To Depth, Perforate Stage 1 Wasatch Zone, 8,403 - 8,754'. 57 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:30	3.50	14:00	SRIG	Rig Up/Down	HES Rigging Up
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**13-10-3-2 FD 5/29/2013 06:00 - 5/30/2013 06:00**

API/UWI 43047527650000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. HES Arrive On Location. Prime Up Chemicals And HP. Run QA On Fluids. Pressure Test Iron To 9500#.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	SMTG	Safety Meeting	Hold Safety Meeting. Talked About Smoking Area, Mustering Area, Red Zones, Escapes Routes, Etc.
06:00	0.00	06:00	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16  Open Well, 135 Psi. ICP. BrokeDown At 9.8 Bpm And 2,780 Psi..  Pump 3900 Gals. 15% HCL And 114 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 72.8 Bpm And 4,134 Psi., Get ISIP, 2,001 Psi.. 0.67 Psi./Ft. F.G.. 33/57 Holes.  Con't With SlickWater Pad, 34,741 Gals..  Stage Into Pad, 72.8 Bpm At 4,028 Psi..  On Perfs, 72.9 Bpm At 4,283 Psi., 11,008 Gals.  Stage Into 2.0# 20/40 White Prop, 72.9 Bpm At 4,286 Psi..  On Perfs, 72.7 Bpm At 3,750 Psi., 9,141 Gals.  Stage Into 3.0# 20/40 White Prop, 72.7 Bpm At 3,717 Psi..  On Perfs, 72.7 Bpm At 3,247 Psi., 10,986 Gals.  Stage Into 4.0# 20/40 White Prop, 72.7 Bpm At 3,194 Psi..  On Perfs, 72.8 Bpm At 3,029 Psi., 12,111 Gals.  Stage Into 5.0# 20/40 White Prop, 72.8 Bpm At 3,028 Psi..  On Perfs, 72.8 Bpm At 2,946 Psi., 11,530 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..  Get ISDP, 2,213 Psi.. 0.70 Psi./Ft. F.G.. WSI And Secured.  Total 20/40 White Prop - 150,400#  Total Clean - 111,869 Gals.. 2,664 Bbls..  BWTR - 2,828 Bbls.  Max. Rate - 72.9 Bpm  Avg. Rate - 72.7 Bpm  Max. Psi. - 4,292 Psi.  Avg. Psi. - 3,332 Psi.</p>
06:00	0.17	06:10	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
06:10	1.17	07:20	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 05-02-2013.  Found And Correlated To Short Joint At 7,856 - 7,878'.  Drop Down To Depth, Set CBP At 8,365'. 1,850 Psi..  Perforate Stage 2 UteLand Butte Zone, 8,044 - 8,345'. 45 Holes. 1,350 Psi..  POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
07:20	0.08	07:25	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
07:25	1.08	08:30	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16  Open Well, 1,290 Psi. ICP. BrokeDown At 10.0 Bpm And 1,933 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 72.0 Bpm And 4,000 Psi., Get ISIP, 1,676 Psi.. 0.64 Psi./Ft. F.G.. 34/45 Holes.  Con't With SlickWater Pad, 35,197 Gals..  Stage Into Pad, 72.5 Bpm At 3,594 Psi..  On Perfs, 72.4 Bpm At 3,936 Psi., 11,199 Gals.  Stage Into 2.0# 20/40 White Prop, 72.4 Bpm At 3,970 Psi..  On Perfs, 72.6 Bpm At 3,546 Psi., 8,790 Gals.  Stage Into 3.0# 20/40 White Prop, 72.7 Bpm At 3,521 Psi..  On Perfs, 72.7 Bpm At 3,205 Psi., 12,298 Gals.  Stage Into 4.0# 20/40 White Prop, 72.7 Bpm At 3,167 Psi..  On Perfs, 72.7 Bpm At 3,041 Psi., 11,822 Gals.  Stage Into 5.0# 20/40 White Prop, 72.7 Bpm At 3,029 Psi..  On Perfs, 72.6 Bpm At 3,050 Psi., 11,300 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..  Get ISDP, 2,143 Psi.. 0.70 Psi./Ft. F.G.. WSI And Secured.  Total 20/40 White Prop - 149,600#  Total Clean - 111,969 Gals.. 2,666 Bbls..  BWTR - 2,832 Bbls.  Max. Rate - 72.8 Bpm  Avg. Rate - 72.7 Bpm  Max. Psi. - 3,974 Psi.  Avg. Psi. - 3,262 Psi.</p>
08:30	0.09	08:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
08:35	1.17	09:45	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 05-02-2013. Found And Correlated To Short Joint At 7,032 - 7,053'. Drop Down To Depth, Set CBP At 8,016'. 1,500 Psi.. Perforate Stage 3 UteLand Butte/Castle Peak Zone, 7,719 - 7,996'. 45 Holes. 1,150 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
09:45	0.08	09:50	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
09:50	1.08	10:55	FRAC	Frac. Job	Frac Stage 3. Fluid System: Hybor G 16 Open Well, 1, Psi. ICP. BrokeDown At 10.0 Bpm And 1,991 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 72.4 Bpm And 5,163 Psi., Get ISIP, 1,592 Psi.. 0.64 Psi./Ft. F.G.. 28/45 Holes. Con't With SlickWater Pad, 34,696 Gals.. Stage Into Pad, 72.8 Bpm At 3,763 Psi.. On Perfs, 72.9 Bpm At 3,632 Psi., 11,300 Gals. Stage Into 2.0# 20/40 White Prop, 72.9 Bpm At 3,654 Psi.. On Perfs, 72.7 Bpm At 3,333 Psi., 8,503 Gals. Stage Into 3.0# 20/40 White Prop, 72.7 Bpm At 3,298 Psi.. On Perfs, 72.8 Bpm At 3,022 Psi., 13,433 Gals. Stage Into 4.0# 20/40 White Prop, 72.8 Bpm At 2,968 Psi.. On Perfs, 72.7 Bpm At 2,874 Psi., 11,420 Gals. Stage Into 5.0# 20/40 White Prop, 72.7 Bpm At 2,883 Psi.. On Perfs, 72.7 Bpm At 2,861 Psi., 11,202 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,053 Psi.. 0.70 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 150,700# Total Clean - 111,344 Gals.. 2,651 Bbls.. BWTR - 2,817 Bbls. Max. Rate - 72.8 Bpm Avg. Rate - 72.7 Bpm Max. Psi. - 3,644 Psi. Avg. Psi. - 3,041 Psi.
10:55	0.08	11:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
11:00	1.17	12:10	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 05-02-2013. Found And Correlated To Short Joint At 7,032 - 7,053'. Drop Down To Depth, Set CBP At 7,691'. 1,550 Psi.. Perforate Stage 4 Castle Peak/Black Shale/3PT Marker Zone, 7,401 - 7,691'. 45 Holes. 1,400 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
12:10	0.08	12:15	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
12:15	1.00	13:15	FRAC	Frac. Job	Frac Stage 4. Fluid System: Hybor G 16 Open Well, 1,424 Psi. ICP. BrokeDown At 8.8 Bpm And 2,426 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 71.9 Bpm And 3,918 Psi., Get ISIP, 1,741 Psi.. 0.67 Psi./Ft. F.G.. 34/45 Holes. Con't With SlickWater Pad, 32,412 Gals.. Stage Into Pad, 72.5 Bpm At 3,658 Psi.. On Perfs, 72.4 Bpm At 3,861 Psi., 10,462 Gals. Stage Into 2.0# 20/40 White Prop, 72.5 Bpm At 3,875 Psi.. On Perfs, 72.4 Bpm At 3,444 Psi., 8,201 Gals. Stage Into 3.0# 20/40 White Prop, 72.5 Bpm At 3,400 Psi.. On Perfs, 72.5 Bpm At 3,008 Psi., 11,727 Gals. Stage Into 4.0# 20/40 White Prop, 72.5 Bpm At 2,983 Psi.. On Perfs, 72.4 Bpm At 2,882 Psi., 11,162 Gals. Stage Into 5.0# 20/40 White Prop, 72.4 Bpm At 2,884 Psi.. On Perfs, 72.4 Bpm At 2,912 Psi., 10,436 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,076 Psi.. 0.71 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 140,100# Total Clean - 104,773 Gals.. 2,495 Bbls.. BWTR - 2,662 Bbls. Max. Rate - 72.5 Bpm Avg. Rate - 72.4 Bpm Max. Psi. - 3,860 Psi. Avg. Psi. - 3,110 Psi.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:15	0.17	13:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
13:25	1.00	14:25	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 05-02-2013. Found And Correlated To Short Joint At 7,032 - 7,053'. Drop Down To Depth, Set CBP At 7,396'. 1,700 Psi.. Perforate Stage 5 3PT Marker/Douglas Creek Zone, 7,109 - 7,378'. 42 Holes. 1,650 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
14:25	0.25	14:40	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
14:40	1.08	15:45	FRAC	Frac. Job	Frac Stage 5. Fluid System: Hybor G 16 Open Well, 1,518 Psi. ICP. BrokeDown At 10.2 Bpm And 2,105 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 72.5 Bpm And 4,286 Psi., Get ISIP, 2,151 Psi.. 0.73 Psi./Ft. F.G.. 31/42 Holes. Con't With SlickWater Pad, 34,669 Gals.. Stage Into Pad, 72.3 Bpm At 4,046 Psi.. On Perfs, 72.4 Bpm At 4,295 Psi., 11,709 Gals. Stage Into 2.0# 20/40 White Prop, 72.4 Bpm At 4,322 Psi.. On Perfs, 72.2 Bpm At 3,922 Psi., 7,990 Gals. Stage Into 3.0# 20/40 White Prop, 72.3 Bpm At 3,890 Psi.. On Perfs, 72.2 Bpm At 3,483 Psi., 15,554 Gals. Stage Into 4.0# 20/40 White Prop, 72.2 Bpm At 3,484 Psi.. On Perfs, 72.1 Bpm At 3,388 Psi., 10,928 Gals. Stage Into 5.0# 20/40 White Prop, 72.0 Bpm At 3,420 Psi.. On Perfs, 71.9 Bpm At 3,742 Psi., 10,484 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,696 Psi.. 0.83 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 150,000# Total Clean - 110,905 Gals.. 2,641 Bbls.. BWTR - 2,875 Bbls. Max. Rate - 72.4 Bpm Avg. Rate - 72.1 Bpm Max. Psi. - 4,320 Psi. Avg. Psi. - 3,623 Psi.
15:45	0.17	15:55	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
15:55	1.08	17:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 05-02-2013. Found And Correlated To Short Joint At 5,537 - 5,559'. Drop Down To Depth, Set CBP At 7,089'. 2,150 Psi.. Perforate Stage 6 Douglas Creek/TGR3 Zone, 6,808 - 7,069'. 45 Holes. 1,650 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	SDFD. WSI And Secured.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 13-10-3-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047527650000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="SSD"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/6/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ATTACHED PLEASE FIND THE SITE FACILITY DIAGRAM/SECURITY PLAN.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 12, 2013

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 6/10/2013

Sundry Number: 38882 API Well Number: 43047527650000

## BILL BARRETT CORPORATION

FEE

Fort Duchesne 13-10-3-2

SW¼ SW¼ SEC 10,T3S, R2E,

Lease # FEE

API # 43-047-52765

Uintah Co. Utah

Site Security Plan Located at

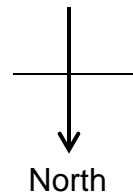
Bill Barrett Corporation

Roosevelt Office

ROUTE 3 BOX 3110

1820 W HIGHWAY 40

ROOSEVELT, UT 84066



63'

10'

36'

Combustor

162'

TREATER  
Cap-90bbl  
Oil & water

1000g  
prop

Scrubber Cap-2bbl  
water & condensate

500 Gal  
Glycol

500 gal  
Methanol

400bbl  
Flare tank

72'

30'

15'

57'

48'

66'

Underground lines

Underground lines

Containment 16" high  
Volume - 5079 BBL

W/H

Pumping Unit

EFM located in meter shack

Meter  
Shack

75'

Surface Drainage to East

Entrance

### 1 - 4" LOAD LINE

Production Phase - sealed closed

Sales Phase- open to load Production bought

### 2 - 3" PRODUCTION IN

Production Phase - open

Sales Phase - sealed close

### 3 - 4" DRAIN

Production Phase - sealed closed

Sales Phase - sealed closed

Drain water - open

### 4 - 4" UPPER EQUALIZER

Production Phase - open

Sales Phase - sealed close

### 5 - BYPASS

### 6 - 3" WATER LINES

Production Phase - open

No Sales Phase

### 7- 2" RECYCLE/SKIM

Production - open

Sales - sealed closed

- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank  
for emergency pressure relief of treater

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 13-10-3-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047527650000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/20/2013</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input checked="" type="checkbox"/> <b>OTHER</b> OTHER: <span style="border: 1px solid black; padding: 2px;">Sqz 5,760' - 4,000'</span>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC would like permission to squeeze from 5,760' - 4,000'. Contact Chris Stevenson at 720-440-3430 w/ questions. -MIRU -POOH 2-7/8" tbg, RU WL unit -RIH w/ wireline to 6500' with 5 1/2" Composite Bridge Plug & set. -Pressure test 5-1/2" casing to 1000 psi. -RIH w/ wireline & perforate 4 squeeze holes at 5,760'. -Rig Up pumping equipment & establish injection rate, monitor rate & pressure into perforations. Open 5-1/2 x 9-5/8" casing annulus at surface & try to establish circulation to surface. -RIH w/ wireline to 5,710' w/ EZ Drill SVB retainer & set -RIH w/ 2 7/8" tbg & sting into retainer -Pump 20 bbls fresh water to establish circulation & 500 sks Tuned Light @ 11.0 ppg, (500 sx is enough to circulate to surface.) -(Note: Open Casing annulus, close annulus valve w/ 100sx remaining to pump). -Sting out, circulate and POOH. Wait for cmt. -Run CBL -Drill out to PBTD -Rerun prod tbg

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** June 21, 2013

**By:** 

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/20/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 13-10-3-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047527650000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION			
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>6/1/2013</b>	<input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME		
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

This well had first production on 6/1/13.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

July 12, 2013

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/25/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 13-10-3-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 10 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047527650000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH

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OTHER: <input style="width: 100px;" type="text" value="cement squeeze"/>				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  
 Attached are the actual procedures for the cement squeeze that took place on this well between 6/23-7/15/13. Please contact Brady Riley with questions.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 July 17, 2013

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/17/2013	



**13-10-3-2 FD 6/1/2013 06:00 - 6/2/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	4.00	11:00	DOPG	Drill Out Plugs	WELL FLOWED 250 BBLS WTR, 150 PSI ON 20/64". TURN TO FB TANKS. RIH AS CONT D/O PLUGS  CBP #5 AT 7691'. C/O ' SAND. D/O IN MIN. FCP 500 PSI ON 30/64". RIH CBP #6 AT 8016'. C/O ' SAND. D/O IN MIN. FCP PSI ON /64". RIH. CBP #7 AT 8365'. C/O ' SAND. D/O IN MIN. FCP PSI ON /64". RIH C/O 80' SAND TO FC AT 8832'. D/O FC AND 35' CMT TO PBTD AT 8867' W/ -JTS IN.  CIRC CLEAN. RD PWR SWIVEL.
11:00	1.00	12:00	PULT	Pull Tubing	POOH AS LD -JTS TBG. PU 7" 5K HANGER. LUBE IN AND LAND TBG.  TBG DETAIL KB HANGER 202-JTS 2-7/8" L-80 TBG 2.31 XN NIPPLE 1-JT 2-7/8" L-80 TBG POBS.
12:00	1.00	13:00	BOPR	Remove BOP's	RD FLOOR. ND BOP. NU WH. PLUMB IN FLOW LINES. POBS AT PSI.
13:00	1.00	14:00	SRIG	Rig Up/Down	TURN OVER TO FBC AND SALES. RDSU.
14:00	16.00	06:00	FBCK	Flowback Well	WELL TURN OVER TO FBC AND SALES.

**13-10-3-2 FD 6/23/2013 06:00 - 6/24/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. JSA
07:00	1.00	08:00	SRIG	Rig Up/Down	RDSU. SLIDE ROTO IN. TURN OVER TO PUMPER.
08:00	2.00	10:00	RMOV	Rig Move	ROAD RIG FROM 14-9D-36 TO LOCATION.
10:00	0.50	10:30	SRIG	Rig Up/Down	RUSU. X-OVER FOR TBG.
10:30	0.50	11:00	WKLL	Kill Well	FINISH PUMPING 130 BBLS 10# BRINE.
11:00	1.50	12:30	BOPI	Install BOP's	ND WH. NU BOP. RU FLOOR. LUBE OUT HANGER.
12:30	1.00	13:30	PULT	Pull Tubing	POOH W/ 202-JTS TBG, SN, 1-JT, AND POBS
13:30	1.00	14:30	SRIG	Rig Up/Down	MIRU PIONEER EWL.
14:30	4.50	19:00	WLWK	Wireline	RIH W/ 5-1/2" CBP #1 AND SET AT 7225'. RIH W/ 5-1/2" CBP #2 AND SET AT 6500'. RIH AND SHOT 4) SQUEEZE HOLES AT 5757'. HAVE FLUID INFLOW. RIH AND SET COMP CMT RET AT 5710'.
19:00	1.00	20:00	SRIG	Rig Up/Down	RDMO PIONEER EWL. SHUT WELL IN.
20:00	10.00	06:00			CREW TRAVEL. WELL SECURE.

**13-10-3-2 FD 6/24/2013 06:00 - 6/25/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. JSA
07:00	1.50	08:30	RUTB	Run Tubing	MU RETAINER STINGER. RIH W/ 179-JTS 2-7/8" L-80 TBG.
08:30	1.50	10:00	GOP	General Operations	SPACE OUT AND STING INTO CCR AT 5710'.
10:00	0.50	10:30	SRIG	Rig Up/Down	MIRU HES CMT PUMP.
10:30	4.00	14:30	CEMT	Cement Squeeze	EST INJ RATE. PUMP 42 BBLS. PUMP 500 SX CMT. RDMO HES.
14:30	1.00	15:30	PULT	Pull Tubing	POOH W/ 179-JTS TBG. LD STINGER.
15:30	0.50	16:00	GOP	General Operations	SECURE WELL
16:00	14.00	06:00			

**13-10-3-2 FD 6/25/2013 06:00 - 6/26/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. JSA
07:00	0.50	07:30	SRIG	Rig Up/Down	MIRU PIONEER
07:30	2.00	09:30	LOGG	Logging	RUN CBL
09:30	0.50	10:00	SRIG	Rig Up/Down	RDMO PIONEER

**13-10-3-2 FD 6/26/2013 06:00 - 6/27/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	2.00	09:00	CTUW	W/L Operation	R/U PIONEER WIRELINE. RUN CBL. SHOWED NO CMT F/ 5710' TO SURFACE.
09:00	1.00	10:00	DTIM	Downtime	WAIT ON PERF GUN & COMPOSITE CMT RETAINER.
10:00	2.00	12:00	CTUW	W/L Operation	RIH W/ PERF GUN. PERF 5-1/2 CSG & 4810'. SET 5-1/2 COMPOSITE CMT RETAINER @ 4760'. R/D W/L.
12:00	1.50	13:30	RUTB	Run Tubing	RIH W/ CMT STINGER. SPACE OUT & STING INTO RETAINER. SDFN.
13:30	16.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**13-10-3-2 FD 6/27/2013 06:00 - 6/28/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	4.50	11:30	CEMT	Cement Squeeze	R/U HALLIBURTON. HOLES @ 4810'. CMT RETAINER @ 4760'. PUMP 200 SKS CMT, FLUSH TO RETAINER. SITP- 1000. STING OUT. REVERSE TBG CLEAN. R/D HAAIBURTON.
11:30	1.00	12:30	PULT	Pull Tubing	POOH W/ 150 JTS. SWIFN.
12:30	17.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**13-10-3-2 FD 6/28/2013 06:00 - 6/29/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	RUTB	Run Tubing	RIH W/ 4-3/4 BIT, TAG CMT @ 4797'.
08:00	4.00	12:00	CLN	Clean Out Hole	R/U POWER SWIVEL. C/O CMT TO RETAINER @ 4760'. D/O RETAINER. C/O CMT TO 4916' & FELL FREE. RIH TO RETAINER @ 5710'. CIRC WELL CLEAN. R/D SWIVEL.
12:00	1.00	13:00	PULT	Pull Tubing	POOH W/ BIT.
13:00	4.00	17:00	CTUW	W/L Operation	R/U PIONEER W/L. RUN CBL F/ 5710' TO 3000'. R/D W/L. SDFN.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**13-10-3-2 FD 6/29/2013 06:00 - 6/30/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	3.00	10:00	DTIM	Downtime	WAIT ON ORDERS. TEST CSG TO 1000 PSI FOR 15 MIN, HELD GOOD.
10:00	5.00	15:00	CTUW	W/L Operation	R/U PIONEER W/L. SET 5-1/2 CBP @ 3040'. PERF CSG @ 3000'. SET COMPOSITE CMT RETAINER @ 2955'. R/D W/L.
15:00	1.00	16:00	RUTB	Run Tubing	RIH W/ CMT STINGER. STING INTO RETAINER. SDFN.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**13-10-3-2 FD 6/30/2013 06:00 - 7/1/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	3.00	10:00	CEMT	Cement Squeeze	R/U HALCO. CMT RETAINER @ 2955'. HOLES @ 3000'. PUMP 150 SKS CMT. STING OUT. REVERSE CLEAN. POOH W/ STINGER. SDFN.
10:00	1.00	11:00	PULT	Pull Tubing	POOH W/ STINGER. SDFN.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**13-10-3-2 FD 7/8/2013 06:00 - 7/9/2013 00:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	RUTB	Run Tubing	RIH W/ 4-3/4 BIT, TAG CMT @ 2936'.
08:00	6.00	14:00	CLN	Clean Out Hole	R/U SWIVEL C/O CMT & D/O CBP @ 2956'. RIH & D/O CBP @ 3040'. RIH, D/O CBP @ 5710'. WELL FLOWING SLIGHTLY. RIH, D/O CBP @ 6500'. RIH, CBP @ 7225 WAS NOT THERE. RIH TO 7363'.
14:00	1.00	15:00	PULT	Pull Tubing	POOH W/ 88 JTS. CSG & TBG FLOWING. FLOW WELL TO SALES OVERNIGHT. SDFN.
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**13-10-3-2 FD 7/9/2013 06:00 - 7/10/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	3.00	10:00	DTIM	Downtime	WAIT ON ORDERS. WAIT ON 10# BRINE.
10:00	1.00	11:00	WKLL	Kill Well	PUMP 130 BBLS 10# BRINE.
11:00	0.50	11:30	RUTB	Run Tubing	RIH W/ 88-JTS TBG TO 7364' W/ 222-JTS IN.
11:30	1.50	13:00	PULT	Pull Tubing	POOH W/ 222 JTS AND LD BIT
13:00	1.00	14:00	RUTB	Run Tubing	RIH W/ PKR AND RBP ON TBG.
14:00	3.00	17:00	PTST	Pressure Test	SET RBP AT 6100'. PKR AT 5660'. TBG TEST GOOD. TEST CSG. LEAK. POOH AND SET PKR AT 4645'. TBG TEST GOOD. CSG LEAK. SWIFN.
17:00	12.50	05:30	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT.

**13-10-3-2 FD 7/10/2013 06:00 - 7/11/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	2.50	09:30	PULT	Pull Tubing	RELEASE PKR. RETRIEVE RBP. POOH W/ 191-JTS TBG.
09:30	1.00	10:30	DTIM	Downtime	WAIT ON CUTTERS EWL.
10:30	2.50	13:00	WLWK	Wireline	MIRU CUTTERS EWL. RIH AND SET 5-1/2" CBP AT 6790'. SET CCR AT 6510'. RDMO CUTTERS EWL.
13:00	1.50	14:30	RUTB	Run Tubing	RIH W/ CMT STINGER AND 205-JTS TBG. SPACE OUT AND STING INTO CCR.
14:30	2.00	16:30	DTIM	Downtime	WAIT ON HES.
16:30	1.00	17:30	SRIG	Rig Up/Down	RU HES CEMENTERS.
17:30	1.50	19:00	CEMT	Cement Squeeze	EST INJ RATE OF 4 BPM AT 1000 PSI. PUMP 10 BBLS CAL CHLORIDE, 5 BBL FRESH WTR, 20 BBLS SUPER FLUSH, 5 BBLS FRESH, AND 350 SX (70 BBL) 15.8#, 1.15 YIELD CMT. STAGE CMT. DISPACE 5 BBLS WHEN PRESSURE STARTED COMING UP. STAGE CMT. BLEED OFF AND UNSTING FROM CCR.
19:00	3.00	22:00	PULT	Pull Tubing	POOH W/ 57-JTS TBG. REV CIRC CLEAN. POOH W/ TBG. SDFN
22:00	8.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT.

**13-10-3-2 FD 7/11/2013 06:00 - 7/12/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	DTIM	Downtime	WAITING ON CMT

**13-10-3-2 FD 7/12/2013 06:00 - 7/13/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.50	08:30	PULT	Pull Tubing	POOH W/ 148-JTS TBG. LD CMT STINGER.
08:30	1.00	09:30	RUTB	Run Tubing	MU 4-3/4" BIT AND BIT SUB. RIH W/ 184-JTS TBG TO TAG CMT. AT 5840'.
09:30	0.50	10:00	SRIG	Rig Up/Down	RU PWR SWIVEL. CMT STILL SOFT. WAS ABLE TO WASH THRU. PULL UP AND CIRC CLEAN.
10:00	5.50	15:30	GOP	General Operations	CLEAN OUT FLAT TANK. (FULL OF CMT)
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT.

**13-10-3-2 FD 7/13/2013 06:00 - 7/14/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	3.00	10:00	GOP	General Operations	HSM. FINISH CLEANING FLAT TANK W/ SUPER SUCKER.
10:00	8.00	18:00	CLN	Clean Out Hole	EST CIRC AND D/O 477' CMT FROM 5840' TO 6313'. CIRC CLEAN. SWIFN
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT

**13-10-3-2 FD 7/15/2013 06:00 - 7/16/2013 06:00**

API/UWI 43-047-52765-0000	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,934.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM
07:00	6.50	13:30	CLN	Clean Out Hole	EST CIRC. CONT D/O CMT FROM 6316' TO 6775'. TAC CBP AT 6790'.
13:30	1.00	14:30	GOP	General Operations	CIRC CLEAN.
14:30	0.50	15:00	PULT	Pull Tubing	PULL 6 JTS TBG. EOT AT 6661'.
15:00	0.50	15:30	GOP	General Operations	RU SWAB EQUIP.
15:30	0.50	16:00	SWAB	Swab Well Down	MAKE 1 SWAB RUN TO 4400'. PULL BACK 25 BBLs. FOUND BAD SPOT IN SANDLINE. SECURE WELL FOR NIGHT.
16:00	1.50	17:30	DTIM	Downtime	PULL OFF 700' SANDLINE. POUR NEW ROPE SOCKET. SDFN
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SHUT IN AND SECURE.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
FD 13-10-3-29. API NUMBER:  
430475276510 FIELD AND POOL, OR WILDCAT  
WILDCAT11. QTR/QTR, SECTION, TOWNSHIP, RANGE,  
MERIDIAN:  
SWSW 10 3S 2E U12. COUNTY  
Uintah13. STATE  
UTAH1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHERb. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER2. NAME OF OPERATOR:  
Bill Barrett Corporation3. ADDRESS OF OPERATOR:  
1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202PHONE NUMBER:  
(303) 293-9100

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 0660 FSL 0660 FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 663 FSL 692 FWL

AT TOTAL DEPTH: 569 FSL 694 FWL

14. DATE SPUDDED:  
3/26/201315. DATE T.D. REACHED:  
4/26/201316. DATE COMPLETED:  
6/1/2013 ABANDONED ☐ READY TO PRODUCE ☒17. ELEVATIONS (DF, RKB, RT, GL):  
4855 GL18. TOTAL DEPTH: MD 8,947  
TVD 8,94319. PLUG BACK T.D.: MD 8,833  
TVD 8,829

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL/MUD

23.

WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)WAS DST RUN? NO ☒ YES ☐ (Submit report)DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

## 24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Con	65#	0	80	80			0	
12 1/4	9 5/8 J-55	36#	0	1,541	1,531	Lead 200	113	0	
						Tail 240	58		
7 7/8	5 1/2 P110	17#	0	8,947	8,923	Tuned 610	252	4328	
						ECON 470	121		

## 25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	6,460							

## 26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	6,545	8,345		
(B) Wasatch	8,440	8,754		
(C)				
(D)				

## 27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
6,545 8,345	.38	273	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
8,440 8,754	.38	51	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6545-8345	Green River: See attached Stage 1-7
8440-8754	Wasatch: See attached Stage 1

## 29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☒ DST REPORT ☒ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

## 30. WELL STATUS:

POW



## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/1/2013		TEST DATE: 6/5/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 93	GAS – MCF: 28	WATER – BBL: 25	PROD. METHOD: Flowing
CHOKE SIZE: 20/64	TBG. PRESS. 125	CSG. PRESS. 400	API GRAVITY 52.00	BTU – GAS 1	GAS/OIL RATIO 301	24 HR PRODUCTION RATES: →	OIL – BBL: 93	GAS – MCF: 28	WATER – BBL: 25	INTERVAL STATUS:

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Flaring

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	4,277
				Mahogany	5,676
				TGR3	6,732
				Douglas Creek	6,887
				Black Shale Facies	7,596
				Castle Peak	7,676
				Wasatch	8,416
				TD	8,947

## 35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First production 6/1/2013, first gas sales 6/2/2013.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Christina HirtlerTITLE Administrative AssistantSIGNATURE Electronic SubmissionDATE 6/25/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**FD 13-10-3-2 Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<u><i>Stage</i></u>	<u><i>bbl Total Fluid</i></u>	<u><i>lbs 100 Common Mesh</i></u>	<u><i>lbs 20/40 White Sand</i></u>	<u><i>gal 15% HCl Acid</i></u>
1	2592		150400	3984
2	2666		150000	3866
3	2651		150700	3977
4	2486		140100	3964
5	2634		150000	3922
6	2791		160200	3993
7	2890	11640	159020	4022

\*Depth intervals for frac information same as perforation record intervals.



Payzone Directional  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 13-10-3-2
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Site:</b>	SECTION 10 T3S, R2E	<b>MD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Well:</b>	FD 13-10-3-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 2003.21 Single User Db

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Southern Zone		

<b>Site</b>	SECTION 10 T3S, R2E		
<b>Site Position:</b>		<b>Northing:</b>	3,397,560.81 m
<b>From:</b>	Lat/Long	<b>Easting:</b>	649,212.21 m
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	in
		<b>Latitude:</b>	40° 14' 5.610 N
		<b>Longitude:</b>	109° 44' 53.030 W
		<b>Grid Convergence:</b>	1.07 °

Well		FD 13-10-3-2, SHL LAT: 40.231168 LONG: -109.762294				
Well Position	+N/-S	0.0 ft	Northing:	3,397,124.43 m	Latitude:	40° 13' 52.205 N
	+E/-W	0.0 ft	Easting:	648,008.06 m	Longitude:	109° 45' 44.258 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	4,855.1 ft	Ground Level:	4,855.1 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	4/14/2013	10.98	65.96	52,237

<b>Design</b>	Actual			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	159.42

<b>Survey Program</b>	<b>Date</b>	4/28/2013		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
168.0	8,934.0	(Wellbore #1)		



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 13-10-3-2
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Site:</b>	SECTION 10 T3S, R2E	<b>MD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Well:</b>	FD 13-10-3-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 2003.21 Single User Db

Survey										
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
168.0	0.22	48.51	168.0	-0.1	0.2	0.2	0.13	0.13	0.00	
199.0	0.18	19.59	199.0	-0.2	0.3	0.3	0.35	-0.13	-93.29	
230.0	0.26	148.18	230.0	-0.1	0.3	0.4	1.28	0.26	414.81	
321.0	0.18	56.20	321.0	0.0	0.2	0.6	0.35	-0.09	-101.08	
414.0	0.53	222.53	414.0	0.2	0.0	0.4	0.76	0.38	178.85	
507.0	0.57	162.94	507.0	0.8	-0.8	0.3	0.59	0.04	-64.08	
598.0	0.53	156.61	598.0	1.7	-1.6	0.6	0.08	-0.04	-6.96	
720.0	0.84	200.13	720.0	3.0	-3.0	0.5	0.48	0.25	35.67	
810.0	0.62	162.77	810.0	3.9	-4.1	0.4	0.57	-0.24	-41.51	
901.0	0.88	193.31	901.0	5.0	-5.2	0.4	0.51	0.29	33.56	
992.0	0.40	216.78	992.0	5.8	-6.2	0.0	0.59	-0.53	25.79	
1,082.0	0.94	189.66	1,082.0	6.6	-7.1	-0.3	0.68	0.60	-30.13	
1,173.0	0.83	195.24	1,172.9	7.8	-8.5	-0.6	0.15	-0.12	6.13	
1,263.0	0.70	220.20	1,262.9	8.6	-9.6	-1.1	0.39	-0.14	27.73	
1,354.0	1.27	231.47	1,353.9	9.1	-10.6	-2.3	0.66	0.63	12.38	
1,444.0	1.14	191.20	1,443.9	10.2	-12.1	-3.2	0.93	-0.14	-44.74	
1,505.0	0.88	216.35	1,504.9	11.0	-13.1	-3.6	0.83	-0.43	41.23	
1,595.0	1.01	208.25	1,594.9	11.9	-14.3	-4.4	0.21	0.14	-9.00	
1,686.0	1.19	202.05	1,685.9	13.1	-15.9	-5.1	0.24	0.20	-6.81	
1,776.0	1.27	196.17	1,775.8	14.6	-17.7	-5.8	0.17	0.09	-6.53	
1,867.0	0.90	221.19	1,866.8	15.7	-19.2	-6.5	0.65	-0.41	27.49	
1,958.0	1.08	181.70	1,957.8	16.9	-20.6	-7.0	0.76	0.20	-43.40	
2,047.0	1.10	198.80	2,046.8	18.3	-22.3	-7.3	0.36	0.02	19.21	
2,138.0	0.40	127.00	2,137.8	19.2	-23.3	-7.3	1.15	-0.77	-78.90	
2,228.0	1.49	31.94	2,227.8	18.8	-22.5	-6.5	1.75	1.21	-105.62	
2,319.0	1.10	21.79	2,318.8	17.4	-20.7	-5.5	0.50	-0.43	-11.15	



# Payzone Directional

## End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 13-10-3-2
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Site:</b>	SECTION 10 T3S, R2E	<b>MD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Well:</b>	FD 13-10-3-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 2003.21 Single User Db

Survey										
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
2,410.0	0.80	36.30	2,409.7	16.4	-19.4	-4.8	0.42	-0.33	15.95	
2,500.0	2.07	26.40	2,499.7	15.0	-17.4	-3.7	1.43	1.41	-11.00	
2,591.0	1.70	27.59	2,590.7	13.0	-14.7	-2.4	0.41	-0.41	1.31	
2,680.0	1.50	37.20	2,679.6	11.5	-12.6	-1.0	0.38	-0.22	10.80	
2,771.0	2.50	29.17	2,770.6	9.5	-10.0	0.6	1.14	1.10	-8.82	
2,862.0	2.40	29.17	2,861.5	7.0	-6.6	2.5	0.11	-0.11	0.00	
2,952.0	1.80	16.69	2,951.4	4.7	-3.6	3.9	0.83	-0.67	-13.87	
3,043.0	2.02	24.56	3,042.4	2.4	-0.7	4.9	0.38	0.24	8.65	
3,133.0	1.86	27.17	3,132.3	0.3	2.0	6.3	0.20	-0.18	2.90	
3,224.0	1.52	31.71	3,223.3	-1.4	4.4	7.6	0.40	-0.37	4.99	
3,314.0	1.80	22.05	3,313.3	-3.2	6.7	8.7	0.44	0.31	-10.73	
3,405.0	1.49	26.54	3,404.2	-5.0	9.1	9.8	0.37	-0.34	4.93	
3,496.0	1.36	33.88	3,495.2	-6.5	11.0	10.9	0.25	-0.14	8.07	
3,586.0	2.86	31.28	3,585.1	-8.5	13.8	12.7	1.67	1.67	-2.89	
3,677.0	2.24	27.77	3,676.0	-11.1	17.3	14.7	0.70	-0.68	-3.86	
3,767.0	2.47	41.96	3,766.0	-13.1	20.3	16.8	0.69	0.26	15.77	
3,858.0	1.76	48.47	3,856.9	-14.5	22.7	19.2	0.82	-0.78	7.15	
3,949.0	1.52	39.54	3,947.9	-15.6	24.6	21.0	0.38	-0.26	-9.81	
4,039.0	1.14	42.40	4,037.8	-16.6	26.2	22.3	0.43	-0.42	3.18	
4,129.0	0.83	50.79	4,127.8	-17.2	27.2	23.5	0.38	-0.34	9.32	
4,220.0	1.00	83.00	4,218.8	-17.3	27.7	24.8	0.59	0.19	35.40	
4,310.0	1.04	48.72	4,308.8	-17.4	28.4	26.2	0.67	0.04	-38.09	
4,401.0	1.20	59.90	4,399.8	-17.8	29.4	27.6	0.30	0.18	12.29	
4,492.0	2.20	54.68	4,490.7	-18.4	30.9	29.8	1.11	1.10	-5.74	
4,582.0	1.98	54.13	4,580.7	-19.3	32.8	32.5	0.25	-0.24	-0.61	
4,673.0	0.70	22.49	4,671.7	-20.1	34.2	34.0	1.57	-1.41	-34.77	
4,763.0	0.09	306.03	4,761.7	-20.6	34.8	34.2	0.76	-0.68	-84.96	





Payzone Directional  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 13-10-3-2
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Site:</b>	SECTION 10 T3S, R2E	<b>MD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Well:</b>	FD 13-10-3-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 2003.21 Single User Db

Survey										
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
4,854.0	1.01	289.34	4,852.6	-21.1	35.1	33.3	1.02	1.01	-18.34	
4,945.0	1.14	297.81	4,943.6	-22.3	35.8	31.8	0.23	0.14	9.31	
5,035.0	0.44	308.97	5,033.6	-23.3	36.4	30.7	0.79	-0.78	12.40	
5,126.0	0.48	277.19	5,124.6	-23.8	36.7	30.1	0.28	0.04	-34.92	
5,216.0	0.48	201.35	5,214.6	-23.7	36.4	29.6	0.66	0.00	-84.27	
5,307.0	1.14	187.38	5,305.6	-22.6	35.1	29.3	0.75	0.73	-15.35	
5,397.0	0.04	291.75	5,395.6	-21.8	34.3	29.2	1.28	-1.22	115.97	
5,488.0	0.97	151.56	5,486.6	-21.1	33.6	29.5	1.10	1.02	-154.05	
5,579.0	1.41	163.56	5,577.6	-19.2	31.8	30.2	0.55	0.48	13.19	
5,669.0	1.05	174.32	5,667.6	-17.3	30.0	30.6	0.47	-0.40	11.96	
5,760.0	1.45	170.12	5,758.5	-15.4	28.0	30.9	0.45	0.44	-4.62	
5,850.0	2.07	175.95	5,848.5	-12.7	25.2	31.2	0.72	0.69	6.48	
5,941.0	1.90	180.11	5,939.4	-9.7	22.1	31.3	0.24	-0.19	4.57	
6,025.0	2.24	176.40	6,023.4	-6.8	19.1	31.4	0.43	0.40	-4.42	
6,116.0	2.33	177.00	6,114.3	-3.4	15.4	31.6	0.10	0.10	0.66	
6,207.0	2.50	177.70	6,205.2	0.3	11.6	31.8	0.19	0.19	0.77	
6,297.0	0.90	194.20	6,295.2	2.7	9.0	31.7	1.84	-1.78	18.33	
6,388.0	1.20	192.60	6,386.2	4.1	7.3	31.3	0.33	0.33	-1.76	
6,478.0	1.44	151.43	6,476.1	6.0	5.4	31.6	1.06	0.27	-45.74	
6,569.0	1.63	177.80	6,567.1	8.4	3.1	32.2	0.80	0.21	28.98	
6,659.0	1.98	184.74	6,657.1	11.0	0.3	32.1	0.46	0.39	7.71	
6,688.2	2.08	187.59	6,686.3	11.9	-0.7	32.0	0.48	0.34	9.77	
FD 13-10-3-2 TGR 3										
6,750.0	2.30	192.80	6,748.0	14.0	-3.0	31.6	0.48	0.36	8.42	
6,840.0	2.68	200.30	6,837.9	17.1	-6.8	30.5	0.56	0.42	8.33	
6,931.0	2.40	194.20	6,928.8	20.2	-10.6	29.3	0.43	-0.31	-6.70	
7,022.0	2.60	181.90	7,019.7	23.7	-14.5	28.7	0.63	0.22	-13.52	



Payzone Directional  
End of Well Report



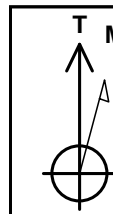
<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 13-10-3-2
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Site:</b>	SECTION 10 T3S, R2E	<b>MD Reference:</b>	FD 13-10-3-2 @ 4855.1ft (Ground ELEV)
<b>Well:</b>	FD 13-10-3-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 2003.21 Single User Db

Survey										
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
7,112.0	3.20	182.70	7,109.6	27.9	-19.1	28.5	0.67	0.67	0.89	
7,203.0	2.76	175.70	7,200.5	32.3	-23.8	28.6	0.63	-0.48	-7.69	
7,293.0	2.50	173.20	7,290.4	36.3	-27.9	29.0	0.32	-0.29	-2.78	
7,389.0	2.54	177.20	7,386.3	40.4	-32.1	29.3	0.19	0.04	4.17	
7,474.0	2.40	167.30	7,471.2	43.9	-35.7	29.8	0.53	-0.16	-11.65	
7,565.0	2.50	167.10	7,562.2	47.8	-39.5	30.7	0.11	0.11	-0.22	
7,656.0	2.40	165.90	7,653.1	51.7	-43.3	31.6	0.12	-0.11	-1.32	
7,746.0	2.00	155.30	7,743.0	55.1	-46.6	32.7	0.63	-0.44	-11.78	
7,836.0	2.20	144.09	7,833.0	58.3	-49.4	34.4	0.51	0.22	-12.46	
7,927.0	2.37	158.72	7,923.9	61.9	-52.6	36.1	0.67	0.19	16.08	
8,017.0	2.20	162.10	8,013.8	65.5	-55.9	37.3	0.24	-0.19	3.76	
8,108.0	2.94	171.91	8,104.7	69.5	-59.9	38.2	0.94	0.81	10.78	
8,198.0	1.85	166.30	8,194.6	73.2	-63.6	38.8	1.24	-1.21	-6.23	
8,289.0	1.88	164.00	8,285.6	76.1	-66.5	39.6	0.09	0.03	-2.53	
8,379.0	2.24	189.60	8,375.5	79.1	-69.6	39.7	1.09	0.40	28.44	
8,470.0	2.11	185.50	8,466.5	82.2	-73.0	39.2	0.22	-0.14	-4.51	
8,561.0	2.40	200.00	8,557.4	85.1	-76.5	38.4	0.70	0.32	15.93	
8,651.0	2.20	197.00	8,647.3	87.9	-79.9	37.3	0.26	-0.22	-3.33	
8,741.0	2.60	200.50	8,737.2	90.8	-83.5	36.1	0.47	0.44	3.89	
8,832.0	2.40	191.00	8,828.2	94.0	-87.3	35.0	0.50	-0.22	-10.44	
8,879.0	2.20	190.10	8,875.1	95.6	-89.1	34.6	0.43	-0.43	-1.91	
8,934.0	2.20	190.10	8,930.1	97.4	-91.2	34.3	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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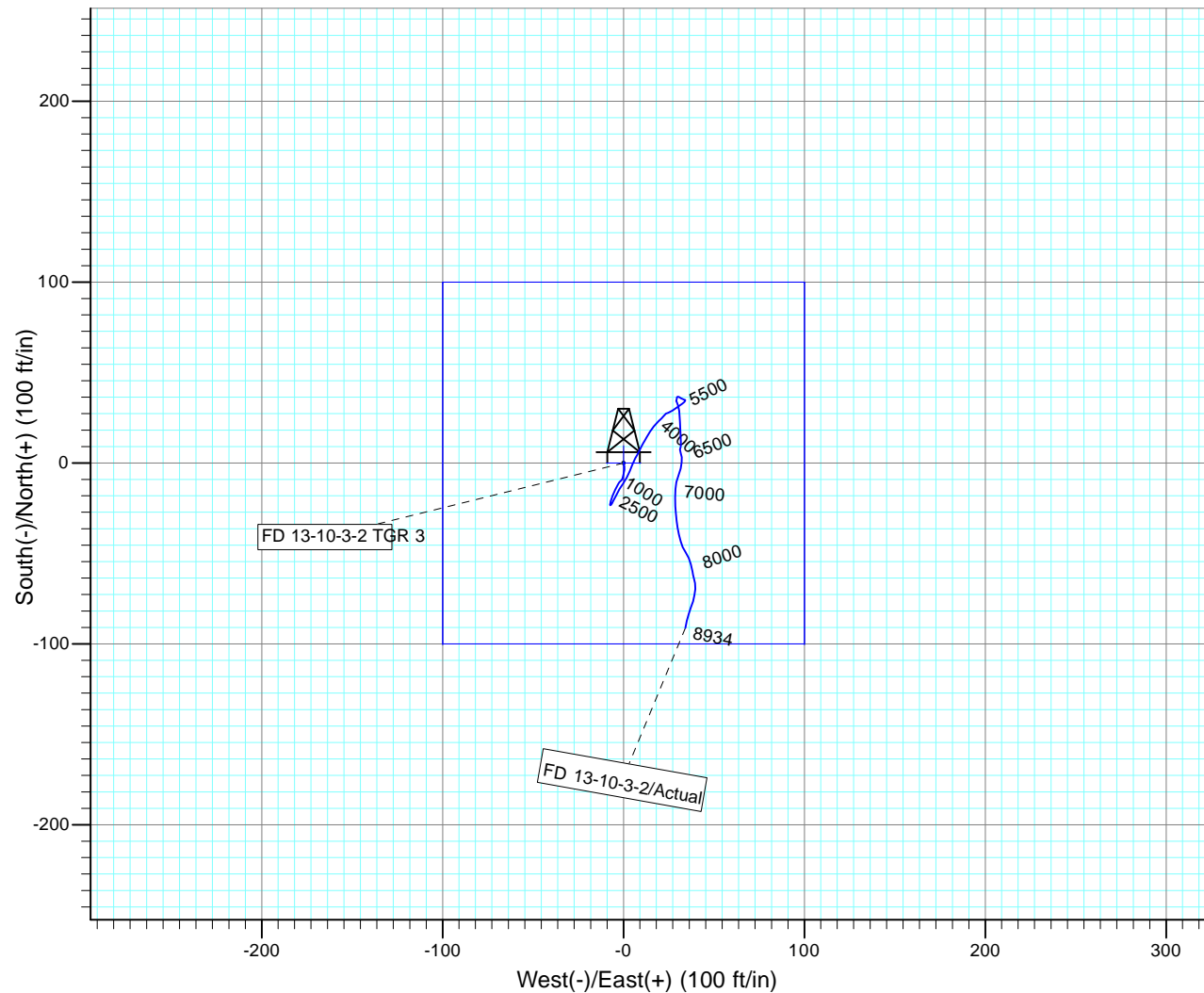
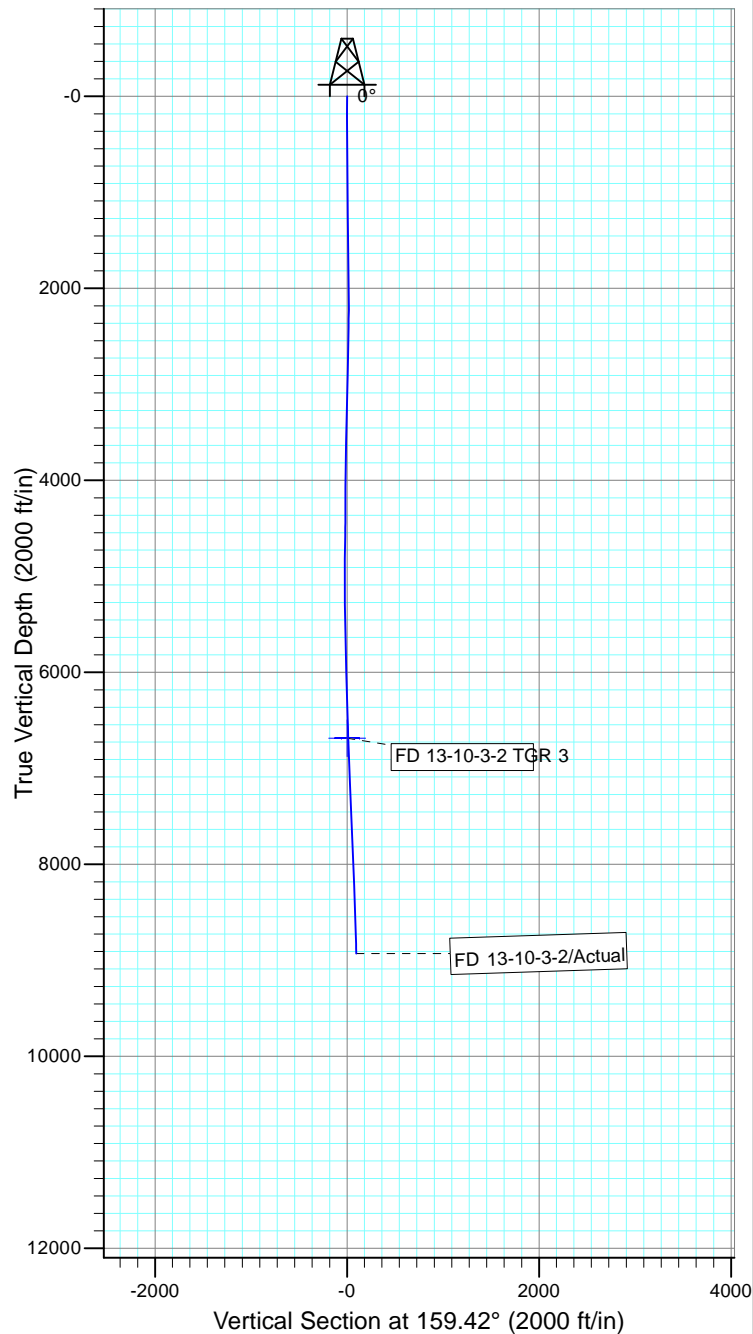


Project: Duchesne County, UT  
Site: SECTION 10 T3S, R2E  
Well: FD 13-10-3-2  
Wellbore: Wellbore #1  
Design: Actual



Azimuths to True North  
Magnetic North: 10.98°

Magnetic Field  
Strength: 52237.3snT  
Dip Angle: 65.96°  
Date: 4/14/2013  
Model: IGRF2010



Design: Actual (FD 13-10-3-2/Wellbore #1)

Created By: Sarah Webb

Date: 21:08, April 28 2013

THIS SURVEY IS CORRECT TO THE BEST OF  
MY KNOWLEDGE AND IS SUPPORTED  
BY ACTUAL FIELD DATA

RECEIVED: Jun. 26, 2013